



# Solar Powered Irrigation System

## Solar Powered Irrigation System

Five main irrigation methods work effectively with solar power: drip irrigation, sprinkler systems, center pivot systems, furrow irrigation, and micro-sprinklers - each suited to different crops and field sizes. Solar Powered Irrigation: A Sustainable Apr 29, Irrigation in remote areas - Unlike traditional electric or diesel-powered pumps, solar-powered systems work in off-grid locations, Solar-Powered Irrigation Systems: A clean-energy, low May 9, Overview of practice Solar-powered irrigation systems (SPIS) are a clean technology option for irrigation, allowing the use solar energy for water pumping, replacing Design and evaluation of a solar powered smart irrigation system Apr 6, Therefore, the study aims to advance sustainable urban agriculture by designing and evaluating a solar-powered smart rooftop irrigation system for peppermint cultivation. Solar-Powered Irrigation Systems: An Asset For The FutureEnergy IndependenceWater Accessibility During The Dry SeasonEnhances Food Security and IncomeSolar PV can provide a reliable source of energy for irrigation water pumping in distant places, particularly those that are not connected to the power grid or do not have a consistent supply of liquid fuels or maintenance services. Rural electrification and productive usage applications can benefit from the distribution of excess electricity via ISee more on theagrotechdaily #b\_results .b\_vidAns{border-radius:6px;box-shadow:0 0 0 1px rgba(0,0,0,.05);padding:16px 20px;gap:10px;background:#fff}@charset "UTF-8";#b\_results .b\_ans.b\_vidAns{box-shadow:none!important;padding:var(--smtc-gap-between-content-medium) 0!important;background:var(--bing-smtc-background-ctrl-fade-on-image-stop-0)}#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mc\_vtvc,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mc\_vtvc\_th,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .cico,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mc\_vtvc\_htb,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .vrhc,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .vrhcp,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .vrhtc,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .vrhtpc{border-radius:var(--mai-smtc-corner-list-card-nested-default)}#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mmlist .mc\_vtvc,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mmlist .mc\_vtvc .mc\_vtvc\_meta{margin:0}#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mmlist .mc\_vtvc .mc\_vtvc\_meta .mc\_vtvc\_meta\_channel,#b\_results .b\_ans.b\_vidAns #serpvidans.vsacf .mmlist .mc\_vtvc .mc\_vtvc\_meta .mc\_vtvc\_meta\_row\_channel{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf,#serpvidans.vsacf .expctn .expbody,#serpvidans.vsacf .mmlist {display:flex;flex-direction:column;gap:var(--smtc-gap-between-content-medium)}#serpvidans.vsacf .cico{height:auto}#serpvidans.vsacf .mc\_vtvc\_ban\_lo{top:0;right:auto}#serpvidans.vsacf .mc\_cwvc .mc\_vtvc .mc\_vtvc\_meta,#serpvidans.vsacf .mmlist .mc\_vtvc .mc\_vtvc\_meta{height:auto;padding:var(--smtc-gap-between-content-xx-small) 0 var(--smtc-gap-between-content-xx-small) var(--smtc-gap-between-content-medium);display:flex;flex-



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```
direction:column;justify-content:space-between}#serpvidans.vsacf .mc_cwvc .mc_vtvc
.mc_vtvc_meta .mc_vtvc_title,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_title{
color:var(--smtc-ctrl-link-foreground-brand-rest);font:var(--bing-smtc-text-global-body2);height:auto;
display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#serpvidans.vsacf
.mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area,#serpvidans.vsacf .mc_cwvc
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_block_area,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta .
mc_vtvc_meta_block{display:flex;flex-direction:column;gap:var(--smtc-padding-ctrl-text-
side)}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area
.mc_vtvc_meta_row,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block
.mc_vtvc_meta_row,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_row,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row{color:var(--smtc-foreground-content-n
eutral-primary);height:var(--mai-smtc-padding-card-default);font:var(--bing-smtc-text-global-
caption1)}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area
.mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf .mc_cwvc .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
.mc_vtvc_meta_row_channel::before,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_row
.mc_vtvc_meta_row_channel::before,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block .mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before{content:"
"}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area
.mc_vtvc_meta_pubdate,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_block_area .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_pubdate{color:var(--bing-smtc-
foreground-content-neutral-tertiary);padding-bottom:0}.vsacf .mc_cwvc .mc_vtvc_con_rc,.vsacf
.mmlist .mc_vtvc_con_rc{display:flex}.vsacf .mc_cwvc .mc_vtvc_con_rc
.mc_vtvc_meta_w,.vsacf .mmlist .mc_vtvc_con_rc .mc_vtvc_meta_w{height:auto}.vsacf
.b_title{padding-left:var(--mai-smtc-padding-card-default)}.vsacf .b_title .mmtitle{font:var(--bing-
smtc-text-global-subtitle1-strong);margin-bottom:0}.vsacf .b_title .mmtitle
a::after{content:"";margin:5px 5px 0 0;border-top:2px solid var(--smtc-foreground-content-neutral-
primary);border-right:2px solid var(--smtc-foreground-content-neutral-primary);background-
size:7px 7px;width:7px;height:7px;transform:rotate(45deg);display:inline-block;margin-
left:4px}#serpvidans.vsacf .b_title .mmtitle{margin-bottom:0}#serpvidans.vsacf .b_title .mmtitle
a{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf .cardless.mmlist
.mc_vtvc_con_rc,#serpvidans.vsacf .cardless.mmlist .mc_vtvc_th{height:auto}#serpvidans.vsacf
.vsb_tr_c.va_tt{margin:0}#serpvidans.vsacf .vtbc .mv_vtvc_play,#serpvidans.vsacf .vtbc
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.mv_vtvc_play_ext{position:static}#serpvidans.vsacf .va_tt
.mc_vtvc_ban_lo{display:block}#serpvidans.vsacf .mc_bc{width:auto;border-radius:var(--smtc-
ctrl-badge-sm-corner);padding:var(--smtc-padding-ctrl-text-side) var(--smtc-gap-between-content-
xx-small)}#serpvidans.vsacf .rmts .mc_bc.items{display:none}#serpvidans.vsacf
a.vsb_tr_t{color:var(--smtc-foreground-content-neutral-primary)}.vsacf .va_tt .vsb_tr_chd
.mc_vtvc_th_dock.rmoveoverlay{height:36px}.vsacf .va_tt .vsb_tr_chd .mc_vtvc_th_dock{height:92
px;background:linear-gradient(180deg,var(--bing-smtc-background-ctrl-fade-on-image-stop-0)
0%,var(--mai-smtc-background-ctrl-on-image-rest) 100%)}.vsacf .va_tt a.vsb_tr_t{padding:0
var(--mai-smtc-padding-card-default);font:var(--acf-font-title-2-strong)}.vsacf .va_tt .vsb_tr_chd
.mc_vtvc .mc_vtvc_meta,.vsacf .va_tt .vsb_tr_chd .mc_vtvc .mc_vtvc_title{color:var(--mai-smtc-
foreground-ctrl-on-image-rest)}.vsacf span.vcmt_ctt{font:var(--bing-smtc-text-global-
caption2);margin:var(--smtc-gap-between-content-xx-small) 0 0;height:16px}#serpvidans.vsacf
.vsb_tr_chd .mc_vtvc_tot .mc_vtvc_title strong{font-size:14px;line-
height:20px;display:unset}#serpvidans.vsacf .va_tt .b_sldrp .slide:not(:first-child){margin-
left:var(--smtc-gap-between-content-small)}#serpvidans.vsacf .va_tt .vsb_tr_chd .mc_vtvc .mc_vt
vc_title{white-space:normal;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-
orient:vertical}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer .b_CompactExpa
nsion{background-color:var(--bing-smtc-background-ctrl-neutral-rest);display:flex;justify-
content:center;align-items:center;gap:4px;width:fit-content;height:auto;padding:8px
12px}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer .b_CompactExpansion .b_
CompactExpansionBtnText{font:var(--bing-smtc-text-global-caption1-strong);color:var(--bing-
smtc-foreground-content-brand-rest)}#serpvidans.vsacf .b_module_expansion_control
.b_btnContainer .b_CompactExpansion
.b_arrow{display:flex;margin:0;height:auto}#serpvidans.vsacf .b_module_expansion_control
.b_btnContainer .b_CompactExpansion .b_arrow path#Shape{fill:var(--bing-smtc-foreground-
content-brand-rest)}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer::after{conte
nt:"";position:absolute;width:100%;bottom:20px;left:0;height:1px;border-
radius:1px;background:var(--smtc-stroke-ctrl-on-neutral-rest)}#b_results .b_ans.b_vidAns{box-
shadow:none;padding:12px 20px 0}#b_results .b_ans.b_vidAns
.vasac{padding:unset;margin:0}#b_results .b_ans.b_vidAns .vsa .b_attribution{padding-
bottom:0}#b_results .b_ans.b_vidAns .cardless .salink{margin:0}#b_results .b_ans.b_vidAns
.mmlist .mc_vtvc{margin-top:10px}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc
.mc_vtvc_meta{display:flex;flex-direction:column;justify-content:space-between;margin:0 10px
4px 12px}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_channel{color:#111}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_row_channel,#b_results .b_ans.b_vidAns .mmlist .mc_vtvc
.mc_vtvc_meta .mc_vtvc_meta_block_area{color:#666}#b_results .b_ans.b_vidAns .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area{bottom:0;height:unset}.b_dark .vsa.cardless
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```
.mc_vtvc{background-color:unset}.mmtitle>a{display:block}.mc_fh{height:100%;border-
radius:6px}.mc_tc_bs{overflow:hidden}.mmlist .mc_vtvc .mc_vtvc_meta { padding: 12px 16px
16px 16px; } .mmlist .mc_vtvc .mc_vtvc_meta_w { height: 112px; margin-top: -0px; } .mmlist
.mc_vtvc .mc_vtvc_title { height: 44px; line-height: 22px; margin-bottom: 0px; margin-top: 0px; }
.mmlist .mc_vtvc .mc_vtvc_meta_block_area { height: 40px; } .mmlist .mc_vtvc .vtmu, .mmlist
.mc_vtvc .vtpl { bottom: 120px; } .mmlist .mc_vtvc_th_dock { height: 112px; } .mmlist
.mc_vtvc_th .cico { height: 131px; } .mc_vtvc{background-color:#fff;box-shadow:0 0 0 1px rgba(
0,0,0,.05);line-height:0;margin:0;position:relative;border-radius:6px;overflow:hidden}.mc_vtvc.no
shadow{box-shadow:none}.mc_vtvc_con_rc{border-radius:6px;overflow:hidden;position:relative
}.mc_vtvc>a{color:#71777d;display:block;text-
decoration:none;width:100%}.mc_vtvc>a:focus::after{outline:2px solid #00a89d;width:100%;hei
ght:100%;content:";outline-offset:-2px;position:absolute;top:0;left:0}.mc_vtvc_th{background-
color:#d5d5d5;position:relative}.mc_vtvc_th .cico{border-radius:0}.mc_vtvc_ban_lo,.mc_vtvc_ba
n_up{position:absolute;vertical-align:middle}.mc_vtvc_ban_lo{bottom:0}.mc_vtvc_ban_up{top:0
}.mc_vtvc_title{font-weight:normal;margin-
bottom:11px;overflow:hidden;color:#111;height:54px;line-height:18px}.mc_vtvc_title
a{display:inline-block;color:#111}.mc_vtvc_title a:hover{text-decoration:underline}.mc_vtvc_src
_ico{float:left;margin-right:4px}.mc_vtvc_act{height:16px;margin-top:-40px;padding:12px 8px;z
-index:1}.mc_vtvc_actc{right:16px;bottom:16px;position:absolute;display:inline-block;z-
index:1}.mc_vtvc_act_sep{border-top:1px solid #d5d5d5;height:40px;margin:0 8px}.mc_vtvc_fh
.mc_vtvc_act_sep,.mc_vtvc_fh .mc_vtvc_act{visibility:hidden}#serpvidans .b_topTitle{margin-b
ottom:8px}.mc_vtvc_htc{width:100%;height:100%;position:absolute;top:0;bottom:0;left:0;right:0
}.mc_vtvc_htb{width:100%;height:100%;background:rgba(0,0,0,.7);position:absolute;top:0;botto
m:0;left:0;right:0}.mc_vtvc_ht{width:100%;padding:0 16px;line-height:16px;color:#fff;text-decor
ation:underline;word-break:break-word;box-sizing:border-box;vertical-align:middle;text-align:cen
ter}.mc_vtvc_th_live_b{background-color:#c80000;color:#fff;display:inline-block;padding:2px
8px;font:11px/14px Arial;border-radius:2px;text-
transform:uppercase;height:15px;width:26px;position:absolute;left:8px;top:110px}.isvctrl .isv
.mc_vtvc_ban_up{left:0;right:initial}.mc_vtvc_ban_lo,.mc_vtvc_ban_up{right:0}.vt_text.b_lRigh
t .b_lLeft{margin:0 0 0 1px;height:14px;line-height:14px;padding:2px 8px;background:rgba(0,0,0,
.75);border-radius:2px;font-weight:bold}.mc_vthtb{width:100%;height:100%;background:rgba(0,
0,0,.7);position:absolute;top:0;bottom:0;left:0;right:0;display:table}.mc_vtht{width:100%;padding
:0 16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-
sizing:border-box;vertical-align:middle;text-align:center;display:table-cell}.vt_text.b_lRight
.b_lLeft{margin:0 0 0 1px;height:14px;line-height:14px;padding:2px 8px;background:rgba(0,0,0,
.75);border-radius:2px;font-weight:bold}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleFor
DebuggingPurpose{top:0}.mc_vtvc_center_play{width:32px;height:32px;background-size:contai
n;position:absolute;margin:auto;bottom:0;top:0;left:0;right:0;box-shadow:none;border-radius:0}.m
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c_vtvc_center_play.rmvbg{ width:32px;height:32px;background-
image:none}.mc_vtvc_htb,.mc_vtvc_ht{ display:none}.vt_onhv
.mc_vtvc_htb{ display:table}.vt_onhv .mc_vtvc_ht{ display:table-
cell}.mc_vtvc_center_play{ display:inline-block}.vt_onhv
.mc_vtvc_center_play{ display:none}.mc_vtvc .vtmu,.mc_vtvc .vtpl{ bottom:163px}.vsarf
.mc_vtvc .vtmu,.vsarf .mc_vtvc .vtpl{ bottom:122px}.svarh #mmcar .mc_vtvc .vtmu,.svarh
#mmcar .mc_vtvc .vtpl{ bottom:137px}.svarht #mmcar .mc_vtvc .vtmu,.svarht #mmcar .mc_vtvc .
vtpl{ top:8px;left:8px}.mc_vtvc_center_play{ background-image:url(data:image/svg+xml,%3Csvg
%20width%3D%22%20height%3D%22%20viewBox%3D%220%200%22%20fill%3D%
22none%22%20xmlns%3D%22http%3A%2F%2F.w3.org%2F2000%2Fsvg%22%3E%0D%0A%20
%20%20%20%3Crect%20width%3D%22%20height%3D%22%20rx%3D%22%20fill%3D
%22black%22%20fill-opacity%3D%220.6%22%2F%3E%0D%0A%20%20%20%20%3Cpath%2
0d%3D%22M14.%1923C13.%209.62986%.%.%4997V20.5C12%.%.%8073L22.%3073
C23%.%.%6926L14.%1923Z%22%20fill%3D%22white%22%20fill-
opacity%3D%220.9%22%2F%3E%0D%0A%3C%2Fsvg%3E)}.mmlist .mc_vtvc{ margin:10px
1px 0}.mmlist .mc_vtvc_con_rc{ display:flex}.cardless .mmlist
.mc_vtvc_con_rc{ height:112px}.mmlist .mc_vtvc .mc_vtvc_meta{ display:flex;flex-
direction:column;justify-content:space-between;margin:0 10px 4px 12px;padding:0}.mmlist .mc_
vtvc_title{ font-weight:400;font-size:16px;height:44px;line-height:22px;margin-bottom:0;margin-
top:0;color:unset}.mmlist .mc_vtvc_meta_row{ font-size:13px}.mmlist .mc_vtvc
.mc_vtvc_meta_block_area{ height:unset}.mmlist .mc_vtvc .vtmu,.mmlist .mc_vtvc
.vtpl{ bottom:8px}.cardless .mmlist .mc_vtvc{ box-shadow:none}.cardless.mmlist
.mc_vtvc_center_play{ width:32px;height:32px}.cardless.mmlist .mc_vtvc_title{ font-
size:16px;color:unset}.cardless.mmlist .mc_vtvc_meta_row{ line-height:20px}.cardless.mmlist
.mc_vtvc_meta_pubdate{ padding-bottom:2px;color:#666}.cardless.mmlist
.mc_vtvc_th,.cardless.mmlist .mc_vtvc_th .cico,.cardless.mmlist .mc_vtvc_th div.rms_img{ border-
radius:6px}.cardless.mmlist .mc_vtvc_th{ height:111px}.cardless.mmlist .mc_vtvc_htc{ border-
radius:6px;overflow:hidden}#serpvidans.vasac.cardless{ box-shadow:none}.cardless.mmlist
.mc_bc{ padding:2px 8px;line-height:14px;border-radius:2px;font-weight:normal}.mc_vtvc:hover
.mc_vtvc_title{ text-decoration:underline}.mc_vtvc_meta{ box-sizing:border-box;display:inline-bl
ock;line-height:18px;position:relative;width:100%}.mc_vtvc_meta_block{ bottom:0;position:absol
ute;width:100%}.mc_vtvc_meta_row{ line-height:16px;font-size:11px;height:17px;overflow:hidde
n;text-overflow:ellipsis;white-space:nowrap}.mc_vtvc_meta_row a{ display:inline-
block}.mc_vtvc_meta_row a:hover{ text-decoration:underline}.mc_vtvc_meta_block_area{ positio
n:relative}.mc_vtvc_meta_block,.mc_vtvc_meta_block a{ color:#444}.b_dark
.mc_vtvc_meta_block{ color:#edebe9}.mc_vtvc_meta_row>.nth-of-type(n+2)::before{ content:"
"}.mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before{ content:" > "}.mc_vtvc_kmt_title{ lin
e-height:18px;padding-bottom:4px;font-weight:bold;color:#00809d;text-transform:uppercase;font-
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size:11px}.mc_vtvc_kmt,.mc_vtvc_con_rc.onhov .wkmt
.mc_vtvc_meta_row,.mc_vtvc_con_rc.onhov .wkmt .tbc_tt{display:none}.mc_vtvc_con_rc.onhov
.wkmt .mc_vtvc_title{max-height:18px;margin-
bottom:18px;overflow:hidden}.mc_vtvc_con_rc.onhov.mmsts
.mc_vtvc_title{visibility:hidden}.mc_vtvc_con_rc.onhov
.mc_vtvc_kmt{display:block}.mc_vtvc_kmt_content .b_factrow{line-height:17px;font-
size:11px;max-height:34px;overflow:hidden;text-overflow:ellipsis;padding:0 16px 0
0;color:#444}.mc_vtvc_meta .mc_vtvc_kmt_title{line-height:18px}.mc_vtvc_title:hover{text-dec
oration:none}.mc_vtvc_meta_pubdate{color:#444;padding-bottom:3px}.mc_vtvc_meta_channel{
color:#444}.mc_vtvc_meta_w,.mc_vplvc_meta_w{position:relative}.mc_vtvc_meta_bg_w,.mc_v
plvc_meta_bg_w{height:100%;width:100%;overflow:hidden;position:absolute;top:0}.mc_vtvc_m
eta_bg_w .cico,.mc_vplvc_meta_bg_w .cico{border-radius:0;overflow:visible}.dg_u
.mm_vidch_th_c{overflow:visible}.dg_u .mm_vidch_th_bg img{margin-
top:-20px}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_meta_w
.mc_vtvc_meta{background:rgba(255,255,255,.75)}.mc_vtvc_meta_bg_w
img,.mc_vtvc_meta_bg_w .mc_vtvc_cb_w{filter:blur(25px);transform:scale(1.2)}body{--video-
metadata-channel-color:#3c3c3c}body.b_dark{--video-metadata-channel-color:unset}.vsarf
.mc_vtvc_meta_pubdate{color:unset}.vsarf .mc_vtvc_meta_channel{color:var(--video-metadata-
channel-color)}.vsarf .mc_vtvc .mc_vtvc_meta_w .mc_vtvc_title,.vsarf .mc_vtvc
.mc_vtvc_meta_w .mc_vtvc_title strong{font-weight:bold}.vsarf .mc_vtvc_meta_w
.mc_vtvc_meta_row{font-size:13px}.emptyStyleForDebuggingPurpose{top:0}.vsarf .mc_vtvc_th
.cico{height:132px}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{t
op:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptySt
yleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebugg
ingPurpose{top:0}.vtbc .mv_vtvc_play{display:inline-
block;position:absolute;bottom:8px;left:9px;height:8px;width:7px}.vtbc
.mv_vtvc_play_ext{background:url(/rp/Lp38sn_O4jegSK0IHxZVxyp-yKQ.png) -172px
-31px;display:inline-block;height:8px;width:12px;position:absolute;bottom:8px;left:6px}.vtbc
.pivot{height:20px;width:8px;min-width:8px}.vtbc .mv_vtvc_play{background:url(
X//////////9/gMdvAAAACnRSTIMAETNEVWaImbvuo4D1oAAAAB9JRE
FUCB1jmMoABKuaQcSqQhCxKgFGgLnNQIkpQAwA8zkLyQAI6F0AAAASUVORK5CYII=
)}.mc_bc_w{height:18px;padding:8px;text-align:right}.mc_bc{background-
color:rgba(0,0,0,.75);padding:2px 8px;line-height:14px;color:#fff;display:inline-block;vertical-
align:middle;border-radius:2px;font-weight:bold}.mc_bc_w .pivot{text-align:center;margin-
right:1px;height:14px}.vsarr .mmgrid .mc_bc_w .mc_bc{background-color:rgba(0,0,0,.75);opacit
y:1}.mmsi{height:16px;width:16px;position:relative;top:5px;padding-right:var(--smtc-gap-betwee
n-content-xx-small)}.vrhdata{display:none}.mmgrid>div{width:197px;display:inline-

```



# Solar Powered Irrigation System

```
block;margin-right:8px;margin-bottom:8px;box-shadow:0 0 0 1px rgba(0,0,0,.05);position:relative
;vertical-align:top;overflow:hidden;white-space:normal;border-radius:6px}.vsarr
.mmgrid>div,.vsarr 1stbig .mmgrid>div{margin-right:8px;margin-bottom:8px}#serpvidansrr
.mc_vtvc .mc_vtvc_meta{height:auto}#serpvidansrr .mc_vtvc .mc_vtvc_title{display:-webkit-
box;-webkit-line-clamp:2;-webkit-box-orient:vertical}.mmgrid .mc_tc{border:0}.vsa
.mmgrid>div:nth-child(3n){margin-right:0}.vsa .b_moreLink{padding-top:4px}#serpvidansrr
.mc_vtvc_meta_row{line-height:18px;font-size:100%;height:17px}.vsarr .mmgrid>div:nth-
child(2n){margin-right:0}#serpvidansrr .mc_vtvc .vtmu,#serpvidansrr .mc_vtvc
.vtpl{bottom:128px}.vsarr 1stbig .mmgrid>div:nth-child(2){margin-right:0}#serpvidansrr.uipolish
.mc_vtvc_meta_pubdate,#serpvidansrr.uipolish .mc_vtvc_meta_channel,#serpvidansrr.uipolish
#vidans2 .b_videocard .video_metadata .video_source{color:#767676}#serpvidansrr #vidans2
.b_videocard .video_metadata_container,#serpvidansrr #vidans2 .b_videocard
.video_metadata_container .video_metadata>h3{width:100%}@media(max-
width:.9px){#serpvidansrr .mmgrid>div{width:168px;height:206px}#serpvidansrr .mmgrid>div
.cico,#serpvidansrr .mmgrid>div .cico .rms_img{width:168px;height:100px}#serpvidansrr
.mc_vtvc .mc_vtvc_meta{padding:12px}#serpvidansrr .mc_vtvc .mc_vtvc_title{height:32px;line-
height:16px;margin-bottom:16px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:34px}#serpvidansrr.mc_vtvc_meta_row{line-height:15px;font-
size:13px;height:15px}#serpvidansrr .mc_vtvc_meta_pubdate{padding-bottom:4px}#serpvidansrr
.mc_vtvc .vtmu,#serpvidansrr .mc_vtvc .vtpl{bottom:114px}#serpvidansrr #vidans2 .b_videocard
.videoPlayer,#serpvidansrr #vidans2 .b_videocard .videoPlayer .cico,#serpvidansrr #vidans2
.b_videocard .videoPlayer .cico .rms_img{width:343px!important;height:194px!important;margin-
right:0}}@media(max-width:.9px){#serpvidansrr
.mmgrid>div{width:124px;height:164px}#serpvidansrr .mmgrid>div .cico,#serpvidansrr
.mmgrid>div .cico .rms_img{width:124px;height:76px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta{padding:8px}#serpvidansrr .mc_vtvc .mc_vtvc_title{height:32px;line-
height:16px;margin-bottom:12px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:28px}#serpvidansrr.mc_vtvc_meta_row{line-height:13px;font-
size:11px;height:13px}#serpvidansrr .mc_vtvc_meta_pubdate{padding-bottom:2px}#serpvidansrr
.mc_vtvc .vtmu,#serpvidansrr .mc_vtvc .vtpl{bottom:96px}#serpvidansrr #vidans2 .b_videocard
.videoPlayer,#serpvidansrr #vidans2 .b_videocard .videoPlayer .cico,#serpvidansrr #vidans2
.b_videocard .videoPlayer .cico .rms_img{width:256px!important;height:144px!important;margin-
right:0}#serpvidansrr .maskthumb .mc_bc_w{padding:8px 4px 4px
8px}#serpvidansrr.withsplitline .mmgrid>div:nth-last-child(1),#serpvidansrr.withsplitline
.mmgrid>div:nth-last-child(2){margin-bottom:24px}#serpvidansrr.withsplitline .mmgrid{border-
bottom:1px solid #ecec;#ecec;margin-bottom:16px}#serpvidansrr #vidans2 .b_videocard
.video_metadata{max-width:auto;padding:12px 16px}#serpvidansrr #vidans2
.b_videocard{margin-bottom:12px;box-shadow:0 0 1px rgba(0,0,0,.05),0 2px 3px
```





# Solar Powered Irrigation System

```
right:79px}.vrhol .vrhot.cont,.vsb_tr_chd .vrhol.icons_1 .vrhot{margin-
right:0}.vpb{position:absolute;display:block;bottom:0;left:0;height:4px}.vpb div{position:absolut
e}.vpb.cont{width:0;background:#fff}.vpb.cont.test{display:none}.vpb.back{background-
color:#999}.vrhcp .vrhol.npb{height:36px;max-height:36px}.vrhol .vadda{width:22px;height:18p
x;padding:0;margin-right:0;margin-left:2px;bottom:0;position:relative;display:inline-block;z-
index:1;background:rgba(0,0,0,.75);border-radius:2px;overflow:hidden}.vrhol
.vadda.hide{display:none}.vrhol .vadda .mc_vfaa{margin:3px 5px}.ricons .vol{float:left}.ricons .
adultFlag{float:right}.vol{width:22px;height:18px;bottom:0;margin-left:1px;margin-
right:1px;position:relative;display:inline-block}.vol.hide,.vol .hide{display:none}.vol .bg{backgro
und:rgba(0,0,0,.75);border-radius:2px}.vol.bg,.vol.cont{position:absolute;bottom:0}.vol
.vol.bg.volnb{border-radius:0 0 2px 2px}.vol .volsliderHandle.bg{border-radius:2px 2px 0
0}.vol.cont .volsliderHandle{height:70px;display:none;width:22px;float:left;bottom:18px;position
:absolute;display:block}.vol.cont .volsliderHandle.hide{display:none}.volsliderHandle
.vsb{height:54px;width:4px;background-color:#999;margin:9px auto
8px;position:relative;display:block;border-radius:2px}.volsliderHandle
.vsh{height:6px;width:14px;padding:9px 7px 9px 7px;margin:0
-12px;display:block;position:absolute;top:30px}.volsliderHandle
.vsh.hide{display:none}.volsliderHandle .vshi{height:4px;width:14px;background-
color:#fff;border-radius:2px}.volMuteIcon{width:16px;height:14px;margin:2px 4px;float:left}.vol
MuteHandle{width:22px;height:18px}.vo{background:url(/rp/fFZxBXEIP9WYOO0jhTaElyLhE
VU.svg) no-repeat}.vm{background:url(/rp/fsX-ZVd03wB2TL0vmQJxSp4U9vs.svg) no-
repeat}.vl{background:url(/rp/YXYMPC1Rry_XJGc7Yg8lR4B2eEs.svg) no-
repeat}.vf{background:url(/rp/NosrlR4amKTs1zYxWy3laZN3HRk.svg) no-
repeat}@media(forced-colors:active){.vol{forced-color-adjust:none}}.vrhc.inline
.vt_vp,.vrhc.popout .vt_vp,.vrhc.mousefollow
.vt_vp{position:absolute;bottom:0;border:hidden;padding:0;top:0;left:0;z-index:3}.vrhtc
.hide{display:none}.vrh_clc .vt_vp,.vrh_clc .vrhtc .vrhi,.vrh_clc
.player_ol{cursor:pointer}.vrh_clc .cico{border-
radius:0}.vrhtc{border:hidden;top:0;left:0;padding:0}.vrhc.mousefollow .vrhtc,.vrhc.popout
.vrhtc{background-color:#999}.vrhtpc.load
.player_ol{background:url(/rp/J_o2maogFDeUOsovPJL-ofEuxJ4.gif) center center no-
repeat}.vrhc.inline .vrhtc .vrhi,.vrhc.popout .vrhtc .vrhi,.vrhc.mousefollow .vrhtc .vrhi{position:ab
solute!important;border:hidden;z-index:2;padding:0;left:0;top:0}.player_ol{position:absolute;widt
h:100%;height:100%;bottom:0;border:hidden;z-index:7}.vrhc.popout,.vrhc.inline,.vrhc.mousefoll
ow{border-radius:6px;overflow:hidden;display:table-row-
group;background:none}.vrhc.popout,.vrhc.mousefollow{z-index:4;box-shadow:0 4px 4px
rgba(0,0,0,.1),0 2px 80px rgba(0,0,0,.2)}.vrhc.inline{z-
index:1;margin:0}.vrhc.popout,.vrhc.inline{position:absolute;top:0}.vrhc.popout{border:1px solid
```



# Solar Powered Irrigation System

```
#fff}.vrhc.mousefollow{position:fixed}.vrhcp{position:relative;top:0;left:0;display:table-  
row}.vrhcp .vrhtc{position:relative;overflow:hidden}.vrhc.hide{display:none}@keyframes  
vh_fadein{from{opacity:0}to{opacity:1}}.vrhc:not(.hide){animation:vh_fadein  
250ms}.vrhc.inline img{color:transparent}.vrhc.inline.fullsize{height:100%}.vrhc,.vrhc: hover,.vr  
hc:link,.vrhc:active,.vrhc:visited{color:#000;text-decoration:none}.vrhc.vrh_clc{cursor:pointer}a.  
hover-anchor{display:block;height:100%;width:100%;text-  
decoration:none}.vrhstat{height:0;overflow:hidden}Videos of Solar Powered Irrigation  
SystemWatch video on Microsoft News2:13Turlock Irrigation District launches California's first  
solar project over canalMicrosoft NewsCBS Sacramento2 months agoWatch video on Microsoft  
NewsTurlock solar canal project aims to save water, generate energyMicrosoft NewsKCRA  
Sacramento2 months agoWatch video on amazon0:18Solar Automatic Drip Irrigation Kit System,  
JIYANG Solar Powered Auto Easy DIY Watering Device SupamazonSep 21, Watch full  
videoScienceDirectIoT-enabled solar-powered smart irrigation for precision Mar 1, This solar-  
powered IoT-based irrigation system was developed for smart irrigation in the vegetable crop field  
to minimize water loss, provide better user experience and to protect Irrigation Systems and Solar  
Panels ()Dec 21, Discover how solar-powered irrigation systems are transforming sustainable  
farming practices. 8MSolar explains the benefits 7 Solar Irrigation Solutions for Small-Scale 3  
days ago 7 Benefits of Solar-Powered Irrigation Systems for Agricultural Sustainability Cost  
Savings Over Traditional Pumping Methods Solar Top 5 Solar Irrigation Systems for Crops:  
Types & ExamplesFeb 2, Learn how solar panels can power different irrigation systems for  
various crops, such as drip, sprinkler, center pivot, mobile, and micro-irrigation. Discover the  
advantages of Solar Powered Irrigation Systems: Types & ExamplesNov 12, Key Takeaways  
Solar-powered irrigation systems can reduce farm energy costs by 40-90% while providing a  
sustainable, off-grid water solution that works even in remote Solar Powered Irrigation: A  
Sustainable Solution For AgricultureApr 29, Irrigation in remote areas - Unlike traditional  
electric or diesel-powered pumps, solar-powered systems work in off-grid locations, ensuring  
water access where conventional Solar-Powered Irrigation Systems: An Asset For The FutureSep  
15, Solar-Powered Irrigation Systems: An Asset For The Future Solar-powered irrigation  
systems (SPIS) are a clean technology option for irrigation, allowing for the use of IoT-enabled  
solar-powered smart irrigation for precision Mar 1, This solar-powered IoT-based irrigation  
system was developed for smart irrigation in the vegetable crop field to minimize water loss,  
provide better user experience and to protect Irrigation Systems and Solar Panels () | 8MSolarDec  
21, Discover how solar-powered irrigation systems are transforming sustainable farming  
practices. 8MSolar explains the benefits of solar in agriculture. Solar-Powered Irrigation: A Deep  
Dive Jan 17, Solar-powered irrigation systems have revolutionized agricultural practices by  
utilizing renewable energy sources for irrigation purposes. These systems harness the power 7  
Solar Irrigation Solutions for Small-Scale Farmers That 3 days ago 7 Benefits of Solar-Powered  
Irrigation Systems for Agricultural Sustainability Cost Savings Over Traditional Pumping
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# Solar Powered Irrigation System

Methods Solar irrigation systems significantly reduce Top 5 Solar Irrigation Systems for Crops: Types & ExamplesFeb 2, Key Takeaways Solar irrigation systems can significantly reduce energy costs and increase sustainability on farms. Drip irrigation powered by solar is highly efficient for water Solar Powered Irrigation Systems: Types & ExamplesNov 12, Key Takeaways Solar-powered irrigation systems can reduce farm energy costs by 40-90% while providing a sustainable, off-grid water solution that works even in remote Top 5 Solar Irrigation Systems for Crops: Types & ExamplesFeb 2, Key Takeaways Solar irrigation systems can significantly reduce energy costs and increase sustainability on farms. Drip irrigation powered by solar is highly efficient for water Promoting Sustainable Agriculture Using Solar Irrigation: May 9, Abstract Solar irrigation presents a promising solution to promote sustainable agriculture, particularly in regions facing water and energy scarcity. This case study Solar powered water pumping systems for irrigation: A Jan 1, The electricity deficit and higher fuel costs affect the water supply to irrigation requirements. Solar energy for water pumping is a promising altern Design and implementation of solar-powered with IoT Jan 1, This paper proposes a solar-powered portable water pump (SPWP) for IoT-enabled smart irrigation system (IoT-SIS). A NodeMCU microcontroller with a Wi-Fi interface and soil Toolbox on Solar Powered Irrigation Systems Nov 11, Solar pumps have become an economical, technically and environmentally viable alternative to conventional pumping systems DIY Solar-Powered Irrigation System: A Step Oct 22, Discover the benefits and components of solar-powered irrigation systems in our comprehensive guide. Learn how to create a DIY Risks from solar-powered groundwater Jan 18, Solar-powered groundwater irrigation is expanding exponentially in low- and middle-income countries (LMICs), creating Solar Powered Irrigation System | SpringerLinkNov 18, Solar Powered Irrigation System Conference paper First Online: 18 November pp 369-381 Cite this conference paper Download book PDF Download book EPUB Solar-powered irrigation system as a nature-based solution Dec 1, In high vulnerable areas of cryosphere change, solar powered irrigation system (SPIS) can be used to uplift water from the nearby glacio-fluvial streams for irrigation and Solar Irrigation Water Pumps for Farms: Feb 16, Key Takeaways Solar water pumps are cost-effective and environmentally friendly alternatives to traditional irrigation. Philippines opens nation's biggest solar Jun 10, The authorities in the Philippines have inaugurated the country's largest solar-powered irrigation system, featuring more than Design of Solar Powered Automatic Irrigation SystemJul 4, This study was conducted with few objectives of design a microcontroller based solar powered automatic irrigation system (AIS) model. To quantify the paddy field water content of Design and Development of a Solar Powered Smart Apr 23, Not all places play to good role on the use of solar power, a negative result was reported that in some part of Mindanao where a solar-powered smart irrigation system failed Solar Irrigation Systems for Farms: BenefitsMar 12, Solar irrigation uses energy from the sun to power water pumps, providing a sustainable water source for farming. Build a Solar-Powered Irrigation System: DIY Sep 16, Discover the steps to create a sustainable, solar-powered irrigation system



## Solar Powered Irrigation System

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for efficient water management in your garden or farm. Solar-Powered Automated IoT-Based Drip Irrigation System Oct 2, Nowadays there are so many advancements taking place in sensing and communication technologies. Thus in today's life solar-powered automated drip irrigation Solar Powered Irrigation Systems: Types & Examples Nov 12, Key Takeaways Solar-powered irrigation systems can reduce farm energy costs by 40-90% while providing a sustainable, off-grid water solution that works even in remote Top 5 Solar Irrigation Systems for Crops: Types & Examples Feb 2, Key Takeaways Solar irrigation systems can significantly reduce energy costs and increase sustainability on farms. Drip irrigation powered by solar is highly efficient for water

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