

REMOTE SOLAR POWER SYSTEMS

Off-Grid Power Systems
for Remote Locations


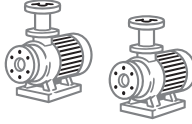
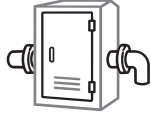
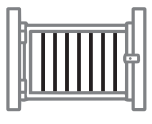



WHICH SYSTEM DO I NEED?

A simple guide to selecting the right RSPS system for your application.

STEP 1: WHAT ARE YOU RUNNING?

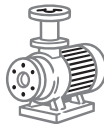
Choose the closest match.

 <p>SINGLE PUMP (borehole / transfer)</p> <p>→ Go to Step 2A</p>	 <p>TWO PUMPS (alternating or scheduled)</p> <p>→ Go to Step 2B</p>	 <p>INTEGRATED PUMP SYSTEM (DAB unit)</p> <p>→ Go to Step 2C</p>	 <p>GATES / CONTROL / REMOTE SYSTEMS</p> <p>→ Go to Step 2D</p>	 <p>MIXED USE (pump + power/lighting)</p> <p>→ Go to Step 2E</p>
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STEP 2: WHAT'S YOUR SCENARIO?

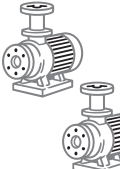
Match your requirement to the best RSPS system.

2A SINGLE PUMP SYSTEMS

	<p>Low demand Short runs, small pump (<1.2kW) → VDLS</p> <p>Medium demand Daily use, moderate runtime → VDMS</p> <p>High demand Long runtime, high load → VDHS</p>
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i If reliability matters more than cost, move up one tier.

2B DUAL PUMP SYSTEMS

	<p>Light dual use Alternating pumps, short runs → VDLT</p> <p>Moderate dual use Regular switching, longer runtime → VDMT</p> <p>Heavy / continuous Twin pumps + high demand → VDHT</p>
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i If you are replacing diesel → **VDHT**.

2C INTEGRATED PUMP SYSTEMS (DAB)


	<p>Small / low demand → SPDMINI</p> <p>Medium / consistent use → SPDMIDI</p> <p>High demand / large delivery → SPDMAX</p>
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i These are self-contained systems — fastest to deploy.

2D CONTROL / INFRASTRUCTURE

	<p>Gates, access, low-load systems → GML</p> <p>Critical infrastructure / high reliability → GMH</p>
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2E MIXED USE SYSTEMS

	<p>Pump + light power → VDMS</p> <p>Pump + multiple loads → VDMT / VDHS</p> <p>Full off-grid building capability → VDHT</p>
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STEP 3: SITE CONDITIONS

IMPORTANT

Once the base system is selected, sizing is refined based on:

 <p>Daily runtime required</p>	 <p>Solar exposure (season + location)</p>	 <p>Water demand / delivery distance</p>	 <p>Storage vs generation balance</p>
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i This determines battery (GB) and PV (PV) configuration.

