



12kWh – 2MWh

HYBRID POWER SUPPLY

Hybrid Power Supply solutions from **API** provide an uninterrupted power supply for residential, commercial, and industrial use. Integrated circuits extract power from AC and DC sources and store the power in Lithium-Ion technology. A powerful off-grid inverter provides power to the most demanding loads.

Our STR series is scalable to multi-MWs providing 24/7 power. They can be used to power anything from small houses to large commercial and industrial complexes.



FEATURES	BENEFITS
Lithium-Ion storage	Small footprint; Use less space High cycle time (3000+ cycles) No discharge memory issues Fast recharge No standby storage leak Long warranty
Hybrid functionality	Charge from Solar power or Wind power Charge form AC grid or Diesel generator
Split Phase Inverter	Usable Worldwide – 120/240Vac
Fan less operation for 24/7 usage	No noise; No maintenance
Scalable	12kWh – 2MWh capacity 10kVA – 350kVA output
Grid output connection	Feed excess power back to the grid with an external grid-tie inverter
Fully integrated	Plug and Use; Install in 10 minutes

Auxin Solar STR is GREAT for:

- Rural Electrification
- Island Use
- Military Use
- Uninterrupted power for industrial use
- Optimization of green energy
- Load balancing
- Telecom
- Hotels and Resorts
- Schools
- Multi-unit housing
- Micro grids



Install and use in 10 minutes!

Electrical Characteristics	Item	API-LI-12kWh	API-LI-16kWh	API-LI-28kWh
Energy	Energy Storage	12kW	16kWh	28kWh
Voltage		400V		
Nominal Capacity		30Ah	40Ah	70Ah
Nominal Output Voltage	AC Output: Split Phase True Sine Wave (Independent Off-Grid Output)	120/240Vac		
Nominal Output Current		34A		
Maximum Output Current (Instant)		50A		
Surge Output Power		16kW/12kW (Instant/15 seconds)		
Continuous Output Power in FTS	DC Output On-Grid Output	10kVA		
Nominal Output Power		5000W		
Nominal Output Current		15A		
Nominal Output Voltage		400Vdc		
Nominal Input Current	AC Input Grid Charger	25A		
Nominal Input Power		5000W		
Nominal Input Voltage		240Vac		
Maximum Input Current (Instant)		28A		
Nominal Input Current	DC (PV) Input PV Charger	10A	10A	30A
Nominal Input Voltage		400Vdc		
Maximum Input Voltage		500Vdc		
Maximum Input Current (Instant)		12A	12A	36A
Input Type		PVx1	PVx1	PVx3
Input Voltage Range		170-500Vdc		
Efficiency	> 90%			

Storage Characteristics	API-LI-12kWh	API-LI-16kWh	API-LI-28kWh
Battery Style	Li-Ion		
Number of cycles	3000/5000 (90%/50% @ 80% DOD)		
Battery Charge Voltage	432V ± 0.5V		
Battery Charge Cut Off Voltage	470V		
Battery Protection	OVP/UVP/OCP/OTP		
Maximum Charge Current	36A		
Maximum Discharge Current	30A		
Nominal Charge Current	30A		
Nominal Discharge Current	25A		
Charge Method	CC/CV		
Voltage	400V		
Nominal Capacity	30Ah	40Ah	70Ah

Mechanical Characteristics	API-LI-12kWh	API-LI-16kWh	API-LI-28kWh
Dimensions (HxDxW)	100.7cm x 50cm x 70cm	100.7cm x 50cm x 70cm	100.7cm x 50cm x 94cm
Weight	200kg	260Kg	440Kg
Water and Dust Proof Level	Indoor Type (IP65 available upon request)		
Consumption	< 1W/<10W (Standby/No Load)		
Internal Resistance	≤10μ		
Status Indication	Digital Display		

Temperature Coefficients	
Operating Temperature	-35° to +60°C
Max Internal Temperature	+60°C System shut down



Specifications subject to change without notice.

