SOLTARO

Innovation
Make it happen

STORAGE SOLUTIONS FOR THE FUTURE

Master BMS

Operation Voltage [Vdc]	200–800
Max. Charge/Discharge Current [A]	30
Recommend Charge/Discharge Current [A]	25
Functions	Pre-charge, Over-Less Voltage/ /Over-Less Temperature Protection, Cells Balancing/SOC-SOH calculationetc.
Communication Protocol/Connector Type	CAN/RS485 ModBus, TCP/IP/ RJ45
Power Connection Type	Amphenol MC4
User Interface	LCD Display(Optional)
Dimension [W*H*D mm]	557*319*152.6
Weight	10kg
Operating Temperature [℃]	-20–55
Ingress Protection	IP65
Installation Method	Floor or Wall Mounted
Warranty	10 years

Battery Module

Nominal Voltage/Capacity per Module	76.8V/2.3KWH
Expand Capability	Up to 9 Modules series at 691V/20.7KWH
DOD Recommended	90%
Max. Charge/Discharge Current [A]	30A Continual
Recommend Charge/Discharge Current [A]	25A Continual
Communication Protocol/Connector Type	CAN/ RJ45
Power Connection Type	Amphenol MC4
Dimension [W*H*D mm]	557*319*152.6 per module
Weight	20kg
Charge Temperature Range [℃]	0–45
Discharge Temperature Range [℃]	-20–55
Ingress Protection	IP65
Installation Method	Floor or Wall Mounted
Cables Connection Method	Connection from side
Warranty	10 years or 10,000 cycles @90% DOD

Battery System Configuration Options: 230V/6.9KWH, 307V/9.2KWH, 384V/11.5KWH, 460V/13.8KWH, 537V/16.1KWH, 614V/18.4KWH, 691V/20.7KWH

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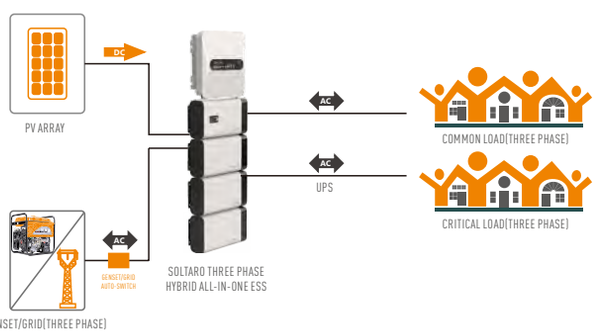
SOLTARO

ALL-IN-ONE
PLUG IN AND PLAY

LiFePO4

Superior Safety | Modular Design | High Voltage, Max. 800V | Three Phase Connection | Always on, UPS, <10ms



10KW Hybrid Inverter(3Phase)

PV INPUT(DC)	
Max. Recommended DC Power [W]	13000
Max. Input DC Voltage [Vdc]	1000
Nominal DC Operation Voltage [Vdc]	720
Max. Input Current [A]	20/11
Max. Short Circuit Current [A]	23/14
MPPT Voltage Range [Vdc]	330-800
Number of MPPT Trackers	2
INPUT& OUTPUT DC (BATTERY)	
Battery Voltage Range [Vdc]	200-800
Recommended Battery Voltage [Vdc]	500
Max. Charging/Discharging Power [W]	12000
Max. Charging/Discharging Current [A]	25
Communication Interfaces	CAN/RS485
Reverse Connect Protection	YES

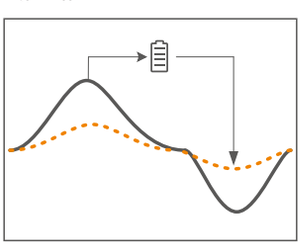
AC OUTPUT @GRID	
Nominal AC Power [W]	10000
Max. AC Power [W]	12000
Rated Grid Voltage [Vac]/ Frequency [HZ]	400/230; 380/220, 50/60
Nominal AC Current [A]	14.5
Max. AC Current [A]	17.5
Displacement Power Factor	-0.8-0.8
Parallel Operation	YES
AC OUTPUT @BACK UP WITH BATTERY	
Rated Power [VA]	10000
Rated Voltage [Vac]/ Frequency [HZ]	400/380, 50/60
Rated Current [A]	14.5
Peak Power [W], Duration [S]	110%@30mins, 130%@5min
UPS Switching Time [MS]	<10ms
Parallel Operation	YES, Max. 6 PCS

STANDARDS	
Safety	IEC/EN 62109-1, IEC/EN 62109-2
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-3
Certification	VDE 0126/VDE-AR-N4105/G83-2/ AS4777.2
ENVIRONMENT LIMIT	
Protection Class	IP 65
Operation Temperature Range [℃]	-20-+60
Altitude [m]	<2000
Noise Emission (Typical) [dB]	<30
GENERAL INFORMATION	
Dimensions [W*H*D] [mm]	535*548*188
Weight [kg]	40
Cooling Concept	Natural Cooling
Mounted Method	Wall Mounted
Topology	Transformerless

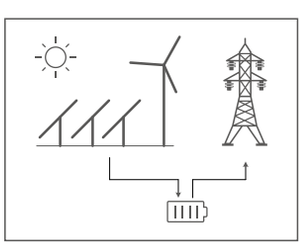
Battery Options

Voltage [Vdc]	230V	307V	384V	460V	537V	614V	691V
Capacity [kWH]	6.9kWh	9.2kWh	11.5kWh	13.8kWh	16.1kWh	18.4kWh	20.7kWh
Discharging Power [kW]	5.7kW	7.6kW	9.6kW	10kW	10kW	10kW	10kW

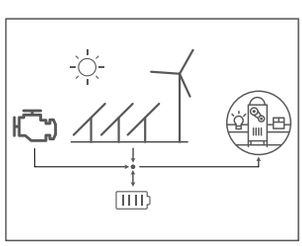
Typical Applications



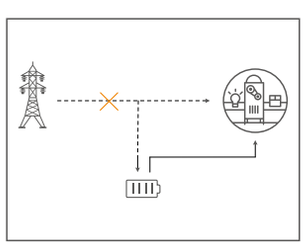
Peak Shifting/Demand Charge Management



Maximum Solar Self-consumption



Smart Micro Grid Solution



Emergency Power Back-up

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