

# OUTDOOR ESS CABINET

## HYBRID SYSTEM

### 20/30/40/50kW +98/118kWh



## PRODUCT FEATURES

- Sic Technology, Max. Efficiency 98.6%
- Full Power Range Coverage (20-50kW)
- Solar & Storage Design
- Supports parallel of 1MWh System
- IP55 for Outdoor Installation
- Independent generator interface, supports intelligent start-stop
- Intelligent BMS & EMS
- Grid-Support & Grid-Forming
- PERFLUORO fire extinguishing system

	Model Name	98kWh				118kWh			
		20kW	20kW	20kW	20kW	20kW	20kW	20kW	20kW
DC Data	Battery Type	LiFePO4				LiFePO4			
	Battery Energy	98.88kWh/IP30S				118.66kWh/IP30S			
	Battery Voltage Range	420Vdc ~ 540Vdc				504Vdc ~ 648Vdc			
	Rated Voltage	480V				576V			
	Pack	206Ah/LFP 3.2V				206Ah/LFP 3.2V			
	Cycle Life	≥ 6000@0.5C 25°C				≥ 6000 @ 0.5°C 25°C			
	Communication	CAN				CAN			
PCS Parameters	Rated Output Power	20kW	30kW	40kW	50kW	20kW	30kW	40kW	50kW
	Max. Rated Output Power	20kW	33kW	44kW	55kW	20kW	33kW	44kW	55kW
	Peak Efficiency	98.2%	98.6%	98.6%	98.6%	98.2%	98.6%	98.6%	98.6%
	Rated Grid Voltage	3L / N / PE 400VAC							
	Grid Frequency	50/60Hz							
	Output THDi	< 3%							
PV String Input Data	Max. DC Input Power	30000W	45000W	60000W	75000W	30000W	45000W	60000W	75000W
	MPPT Voltage Range	180V~960V	150V~850V	150V~850V	150V~850V	180V~960V	150V~850V	150V~850V	150V~850V
	Start-up Voltage	200V	180V	180V	180V	200V	180V	180V	180V
	Rated DC Input Voltage	600V	600V	600V	600V	600V	600V	600V	600V
	No. of MPPT Trackers/ No. of String Per MPPT Tracker	2/2+2	4/2+2+2+2	4/2+2+2+2	4/2+2+2+2	2/2+2	4/2+2+2+2	4/2+2+2+2	4/2+2+2+2
General Data	Dimensions ( W*D*H)	1100*1000*2100 mm							
	Weight of the Whole System	1200 KG(BATT)+35KG/88KG(INVERTER)							
	Protection Level	IP55							
	Operating Temperature Range	-20°C ~50°C							
	Relative Humidity	0 ~ 95% (Non-Condensing)							
	Warranty	10 Years							
	Parallel	Max. 50-500kW/1MWh							
	Cooling	Forced Air-Cooling							
	Fire Protection	Aerosol Fire Protection							
	Certifications	EN62109, EN62477, IEC61000, VDE4105, EN50549							

### Typical Application Cases

