

# 30-60kW Distributed Energy Storage Solutions

Suitable for industrial energy storage system, on/off-grid seamless switching, stable operation



### ► Modular design

Modular design, supporting multiple parallel connections, expandable power and capacity;

### ► Smart switch

Off-grid operation, supporting emergency power supply, supporting three-phase imbalance and seamless switching;

### ► Wide voltage input range

Ultra-wide PV voltage range 180V-1000V, battery ultra-wide voltage range 432V-864V;

### ► Safe and reliable

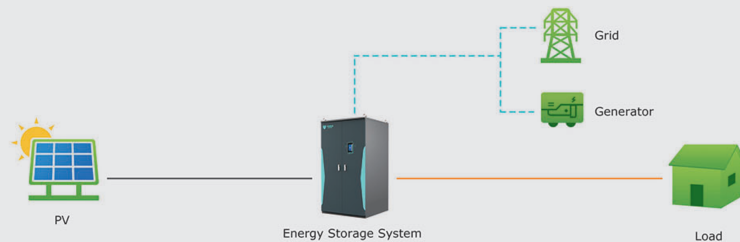
Smart air cooling, low temperature rise, long life time, multiple protection functions;

### ► Smart and simple

Supporting GPRS / WIFI / RS485 / USB, LED touching screen, supporting remote monitoring;

### ► High power efficiency

High-current instantaneous charge-discharge switching to improve power generation efficiency.



Model		Y-30KW-130KWH	Y-40KW-172KWH	Y-50KW-215KWH	Y-60KW-215KWH
PV Input	Max. PV input voltage(d.c.V)	1000	1000	1000	1000
	MPP Operation Voltage Range(d.c.V)	180-900/630	180-900/630	180-900/630	180-900/630
	Max. PV input power(W)	36	48	60	72
	Nominal input voltage(d.c.V)	630	630	630	630
	Max. PV input current(d.c.A)	36/36/36	36/36/36	36/36/36/36	36/36/36/36
	Short-circuit current of PV input(d.c.A)	42/42/42	42/42/42	42/42/42/42	42/42/42/42
	Max. number of PV strings per MPPT	2/2/2	2/2/2	2/2/2/2	2/2/2/2
	Connector	plug in	plug in	plug in	plug in
Grid Port(AC)	Rated Power(W)	30000	40000	50000	60000
	Max. Apparent AC Power(VA)	30000	40000	50000	60000
	Nominal AC Voltage(Vac)	400,3L/N/PE	400,3L/N/PE	400,3L/N/PE	400,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60	50/60	50/60
	Max. AC Output Current(a.c.A)	45	60	75	87
	Power Factor Range	0.8 ind...0.8 cap	0.8 ind...0.8 cap	0.8 ind...0.8 cap	0.8 ind...0.8 cap
	OutputTHD(@Nominal Output)	<3%	<3%	<3%	<3%
UPS Port(AC)	Nominal AC Voltage (a.c.V)	400,3L/N/PE	400,3L/N/PE	400,3L/N/PE	400,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60	50/60	50/60
	Max. AC Output Current(a.c.A)	45	60	75	87
	Rated Output Power(W)	30000	40000	50000	60000
	Max. Apparent AC Output Power(VA)	30000	40000	50000	60000
	Peak AC Output Power(W)	36000/10s	48000/10s	60000/10s	72000/10s
	Max. AC Output Power Of Single Phase(VA)	10000	13000	17000	20000
Battery	Switching time	<10ms	<10ms	<10ms	<10ms
	Operation Voltage Range (d.c.V)	432-518	576-691	720-864	720-864
	Charge/Discharge Power (W)	30000	40000	50000	60000
	Max. Charge/Discharge Current (d.c.A)	100/100	100/100	100/100	100/100
	Rated capacity (kW-h)	130	172	215	215
Available capacity (kW-h)	120	160	200	200	
Basic parameters	Dimensions (W/H/D)	1200*1200*2200mm			