

UPack Series

ENERGY STORAGE SYSTEM



Optimal Power & Storage

- 30A PV input current, 4 MPP trackers
- 150% PV input oversizing
- 100A charge/discharge current



Strong Load & Back-up

- 110% continuous AC output overloading
- 120% max. back-up output overloading @60s
- 20ms UPS-level switching



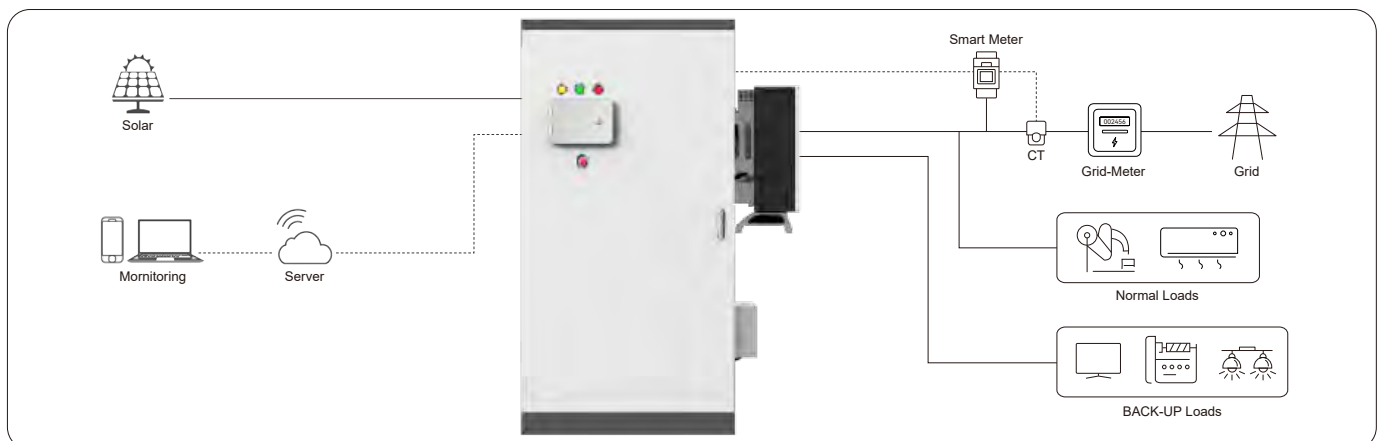
Intelligent and friendly

- Touch Screen Design
- Realize pre-alarm and faults location
- Remote real-time data monitoring and firmware upgrade



Flexible Design & Use

- Smart temperature management
- IP55 rating design and multi-scenario operation.
- PV solar and Battery Energy Storage System (BESS) highly integrated



Model		UPack-50KT-100E
PV Input		
Max. PV Input Voltage [V]		1000
MPPT Voltage Range [V]		200-850
No. of MPP Tracker		4
No. of Input Strings per Tracker		2/2/2/2
Max. PV Input Current [A]		30/30/30/30
Max. PV input power [kW]		75
AC Output (On Grid)		
Rated AC Output Power [kW]		50
Max. AC Power [kVA]		55
THDi (@Rated Output)		< 3%
Max. AC Current [A]		83
Rated AC Voltage / Range [V]		3L/N/PE; 220/380V; 230/400V; 240/415V
Rated Grid Frequency / Range [Hz]		50/60Hz
Isolation Transformer		Transformerless
Adjustable Power Factor [cos φ]		0.8 leading ...0.8 lagging
AC Output Data(Off Grid)		
Rated AC Output Voltage [V]		3L/N/PE; 220/380V;230/400V;240/415V
THDv		< 3% (Linear Load)
Rated Grid Frequency [Hz]		50 / 60
Rated AC Output Power [kW]		50
Max. AC Output Power [kVA]		55
Battery		
Cell Type		102Ah
System battery Configuration Capacity		2P*16S*10
Capacity [kWh]		104
Norminal Voltage [V]		512
Voltage Range [V]		448-576
Max. charge and discharge current [A]		100
DOD		95%
General Data		
Ingress Protection		IP55
Cooling		Air-conditioner
BMS Communication Port		CAN
Operation Temperature Range [°C]		-20 ~ 55
Operation Humidity		0 ~ 95%
Operation Altitude [m]		≤ 2000
Cycle Life		6000@90% DOD / 25% / 0.5C
Standards		UN 38.3, IEC / EN 62619, IEC / EN 61000, EN 62477

Information may be subject to change without notice during product improving.