

Lithium Iron Phosphate Battery



TAB e.storage CLEVER

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ESS (Energy Storage System) provides solutions for applications throughout power supply systems including Grid-scale, Residential, Commercial, and UPS (Uninterruptible Power Supply).

Key features

- Without integrated inverter
- Modular Design
- High power to capacity ratio

Applications

■ Self-consumption:

- Electric bill savings
- Charge during off-peak times
- Discharge during peak times

■ Backup power supply:

- Discharge during a black out, functioning as backup power

■ Off grid systems in cooperation with renewables:

- Store solar energy generated from photovoltaic panels for the future use



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Basic parameters	CLEVER 2.1	CLEVER 2.2
ID Number	1026507	1026508
Nominal Voltage (V)	51.2	
Nominal Capacity (Wh)	5120	10240
Usable Capacity (Wh)	5000	10000
Dimensions (L*W*H, mm)	530 x 495 x 476	
Weight (kg)	63,5	111
Discharge Voltage (V)	44.8	
Charge Voltage (V)	58.4	
Charge/Discharge Current (A)	75 (recommended)	
	100 (max)	
	140 (peak at 15s)	
Communication Port	CAN, RS485	
Working Temperature (°C)	0~45 (-20~45 discharge only)	
Shelf Temperature (°C)	-20~45 1 month (-20~35 6 months)	
Humidity (%)	5~95 (non condensing)	
Altitude (m)	<3000	
Design Life	10+ Years, @25°C	
Cycle Life	>6000 @25°C 0.5C	
Certificates	CE/IEC62619/IEC63056/UN38.3	
Technology	LiFePO4	



Basic parameters	CLEVER 4.2	CLEVER 4.3	CLEVER 4.4
ID Number	1026509	1026510	1026511
Nominal Voltage (V)	51.2		
Nominal Capacity (Wh)	10240	15360	20480
Usable Capacity (Wh)	10000	15000	20000
Dimensions (L*W*H, mm)	530 x 495 x 971		
Weight (kg)	121,5	169	216,5
Discharge Voltage (V)	44.8		
Charge Voltage (V)	58.4		
Charge/Discharge Current (A)	150 (recommended)	225 (recommended)	300 (recommended)
	200 (max)	300 (max)	400 (max)
	280 (peak at 15s)	420 (peak at 15s)	560 (peak at 15s)
Communication Port	CAN, RS485		
Working Temperature (°C)	0~45 (-20~45 discharge only)		
Shelf Temperature (°C)	-20~45 1 month (-20~35 6 months)		
Humidity (%)	5~95 (non condensing)		
Altitude (m)	<3000		
Design Life	10+ Years, @25°C		
Cycle Life	>6000 @25°C 0.5C		
Certificates	CE/IEC62619/IEC63056/UN38.3		
Technology	LiFePO4		



Basic parameters	CLEVER 6.4	CLEVER 6.5	CLEVER 6.6
ID Number	1026512	1026513	1026514
Nominal Voltage (V)	51.2		
Nominal Capacity (Wh)	20480	25600	30720
Usable Capacity (Wh)	20000	25000	30000
Dimensions (L*W*H, mm)	530 x 495 x 1341		
Weight (kg)	224,6	272,1	319,6
Discharge Voltage (V)	44.8		
Charge Voltage (V)	58.4		
Charge/Discharge Current (A)	300 (recommended)	375 (recommended)	450 (recommended)
	400 (max)	500 (max)	600 (max)
	560 (peak at 15s)	700 (peak at 15s)	840 (peak at 15s)
Communication Port	CAN, RS485		
Working Temperature (°C)	0~45 (-20~45 discharge only)		
Shelf Temperature (°C)	-20~45 1 month (-20~35 6 months)		
Humidity (%)	5~95 (non condensing)		
Altitude (m)	<3000		
Design Life	10+ Years, @25°C		
Cycle Life	>6000 @25°C 0.5C		
Certificates	CE/IEC62619/IEC63056/UN38.3		
Technology	LiFePO4		