

Lithium Iron Phosphate Battery



TAB e.storage FAMILY

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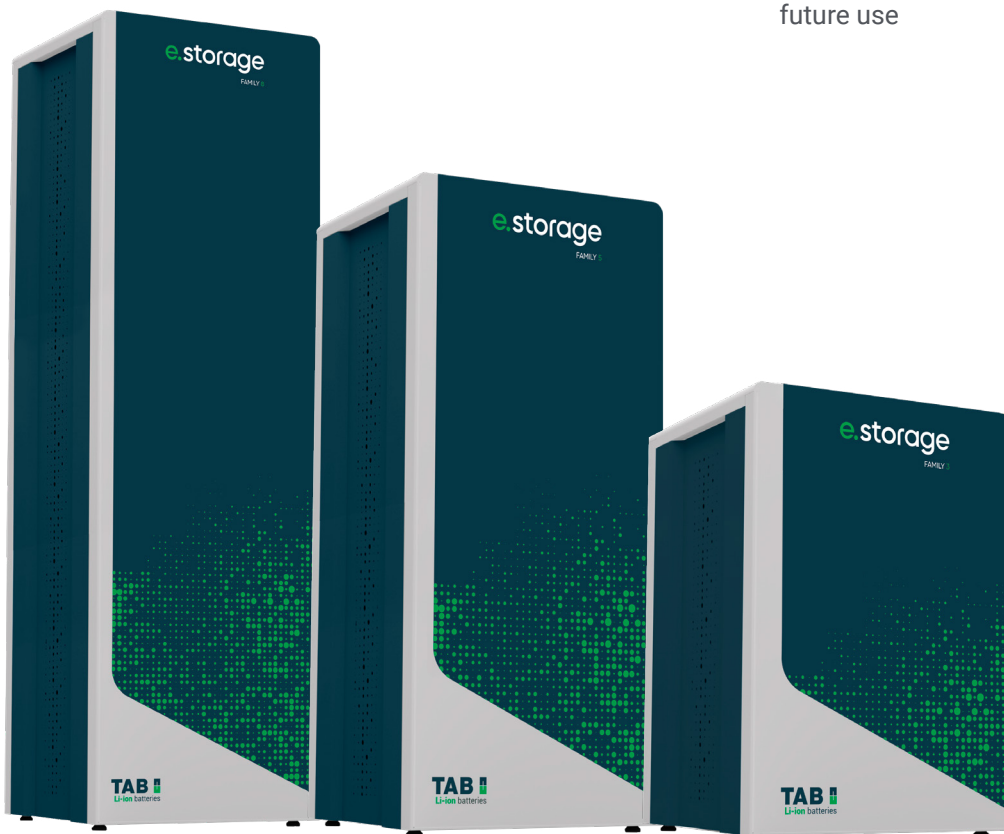
ESS (Energy Storage System) provides solutions for applications throughout power supply systems including Grid-scale, Residential, Commercial, and UPS (Uninterruptible Power Supply).

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

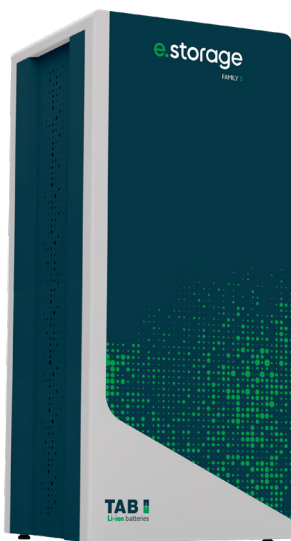


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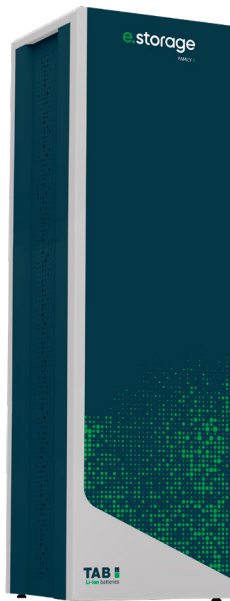
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Basic parameters	FAMILY 3.1	FAMILY 3.2	FAMILY 3.3
ID Number	1026515	1026516	1026517
Nominal Voltage (V)	51.2		
Nominal Capacity (Wh)	5120	10240	15360
Usable Capacity (Wh)	5000	10000	15000
Dimensions (L*W*H, mm)	550 x 470 x 850		
Weight (kg)	79,5	127	174,5
Discharge Voltage (V)	44.8		
Charge Voltage (V)	58.4		
Charge/Discharge Current (A)	75 (recommended)	150 (recommended)	225 (recommended)
	100 (max)	200 (max)	300 (max)
	140 (peak at 15s)	280 (peak at 15s)	420 (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		



Basic parameters	FAMILY 5.3	FAMILY 5.4	FAMILY 5.5
ID Number	1026518	1026519	1026520
Nominal Voltage (V)	51.2		
Nominal Capacity (Wh)	15360	20480	25600
Usable Capacity (Wh)	15000	20000	25000
Dimensions (L*W*H, mm)	550 x 470 x 1220		
Weight (kg)	184,5	232	279,5
Discharge Voltage (V)	44.8		
Charge Voltage (V)	58.4		
Charge/Discharge Current (A)	225 (recommended)	300 (recommended)	375 (recommended)
	300 (max)	400 (max)	500 (max)
	420 (peak at 15s)	560 (peak at 15s)	700 (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		



Basic parameters	FAMILY 8.5	FAMILY 8.6	FAMILY 8.7	FAMILY 8.8
ID Number	1026521	1026522	1026523	1026524
Nominal Voltage (V)	51.2			
Nominal Capacity (Wh)	25600	30720	35840	40960
Usable Capacity (Wh)	25000	30000	35000	40000
Dimensions (L*W*H, mm)	550 x 470 x 1775			
Weight (kg)	295,5	343	390,5	438
Discharge Voltage (V)	44.8			
Charge Voltage (V)	58.4			
Charge/Discharge Current (A)	225 (recommended)	225 (recommended)	300 (recommended)	300 (recommended)
	300 (max)	300 (max)	400 (max)	400 (max)
	420 (peak at 15s)	420 (peak at 15s)	560 (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			