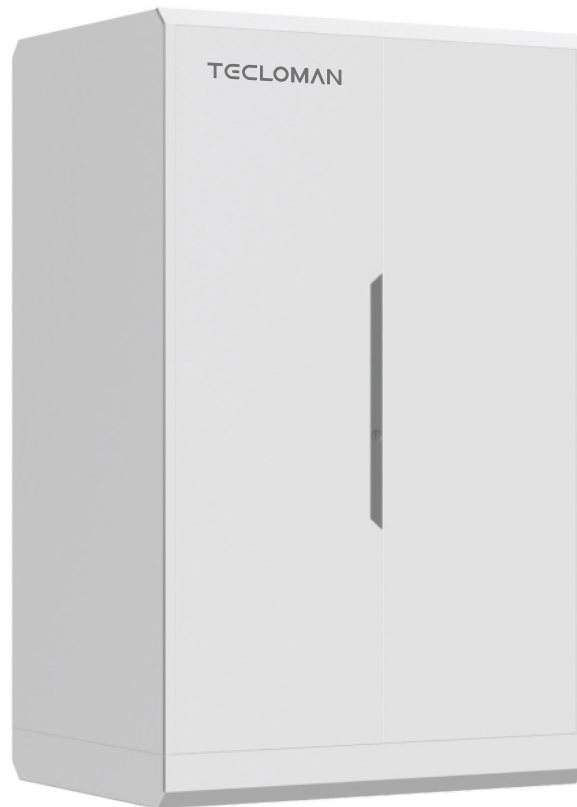


Energy Storage Power Supply

TESS-10-20/20-40/30-60



Integrated, high protection grade structure design



Emergency-energy provision seamless switch,
switch duration $\leq 10\text{ms}$



A variety of automatic control strategies



Support off-grid power supply and device
multiple parallel-connecting functions



Intelligent temperature control system design



Professional cloud platform monitoring and
multi-dimensional after-sales service system



Model	TESS-10-20	TESS-20-40	TESS-30-60
AC grid-connected parameter			
Rated Power	10KW	20KW	30KW
Input Type	TN-S		
Voltage range	380Vac ± 15%		
Current range	15A	30A	45A
Frequency range	50/60Hz ± 5Hz		
PF	0.99		
THDi	≤5%		
AC off-grid parameter			
Voltage range	380Vac ± 15%		
Voltage Accuracy	≤1%		
Output Frequency	50/60Hz ± 5Hz		
THDu	≤3%		
Battery end parameters			
Battery capacity	23.04kWh	40.32kWh	63.36kWh
Battery Type	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Rated Voltage	153.6V	268.8V	422.4V
Voltage range	134.4V~ 172.8V	235.2V~302.4V	369.6V~ 475.2V
Basic Features			
Cooling method	Air-cooling + intelligent air conditioner		
Fire Fighting	Equipped		
Intelligent monitor platform	Equipped		
Duration for switching between grid-connected and off-grid	≤10ms		
Peak efficiency	91.0%		
Protection Features	Protection for over /under voltage, over current, over/under temperature, islanding, SOC too high/low, low insulation impedance, short circuit, etc.		
Operating Temperature	-20°C ~+45°C		
Relative humidity	≤95%RH, non-condensing		
Altitude	4000m (over 2000 m, it will operate in derating)		
Protection Grade	IP54		
Noise	<65dB		
Communication mode	Ethernet, RS485, 4G		
Outline Dimensions	800mm×1000mm×1600mm	1200mm×1000mm×1800mm	1200mm×1000mm×2200mm
Weight	Approx.700Kg	Approx.1000Kg	Approx.1500Kg