

Mobile Emergency Power Supply Vehicle (Trailer Type)

TPCS-30M



Product Overview

The mobile emergency power supply vehicle (trailer type) is a powerful 4-wheel towing trailer with integrated lithium iron phosphate battery bess units, bms battery management systems, bess pcs, ems energy management systems, and charging stations. It has the capability to switch between on-grid and off-grid operation modes, making it suitable for emergency power supply, power maintenance, and uninterrupted power supply.



Ensure uninterrupted voltage supply to users



Parallel operation, significantly improved reliability



Simplify the power supply architecture to enhance user value



Designed to handle flexible loads and support bidirectional energy flow



AC and DC multi-port routing supports multi-scenario applications



Diesel generator auxiliary function with a reliable start



Model	TCSS-30-120	TCSS-60-120
AC side charging parameters		
Rated Power	30KW	60KW
Input Type	3-phase 5-wire	
Rated Voltage	380Vac	
Voltage range	380Vac±15%	
Rated current	45A	91A
Frequency range	50/60Hz ±5Hz	
PF	0.99	
THDI	≤5%	
AC side discharging parameters		
Rated Voltage	380Vac	
Voltage range	380Vac ± 15%	
Voltage Accuracy	≤1%	
Output Frequency	50/ 60Hz ± 5Hz	
THDU	≤3%	
DC charging pile parameters		
Rated output	60kW	
Voltage output	150~750 Vdc	
Maximum output current	100A	
Charging Standard	GB 2015	
Platform Access	Support the access of the charging platform of the State Grid Corporation of China	
Battery end parameters		
Battery capacity	120KWh	120KWh
Battery Type	Lithium iron phosphate	Lithium iron phosphate
Rated Voltage	537.6V	
Voltage range	470.4-588V	