

Mobile Charging — Technical Specification

	MobileMe	TitanMe	TitanMe Max
ELECTRICAL			
Maximum Storage Capacity	11.5kWh	40kWh	100kWh
Battery Chemistry	Lithium Titanate (LTO)	Lithium Titanate (LTO)	Lithium Titanate (LTO)
C Rate	4	4	4
Cycle Life 80% EoL	>15,000	>15,000	>15,000
AC Charging Connection	32A	32A	63A
Connection Voltage	260v–485v	260v–485v	260v–485v
Frequency	45–65Hz	45–65Hz	45–65Hz
Power Factor (Full Load)	0.99	0.99	0.99
DC Input Charging Connection	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*
DC Output Power Total	40kW	150kW	200kW
DC Output Voltage	150–1,000v DC	150–1,000v DC	150–1,000v DC
Number of Outputs	1	1	1
DC Charging Standard	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*
Round Trip Efficiency	94%	94%	94%
MECHANICAL			
Dimensions H×W×D (mm)	650 × 750 × 850	1,250 × 800 × 1,200	1,250 × 800 × 1,800
Weight	260kg	850kg	~1,710kg (Gen 1) / ~1,430kg (Gen 2)‡
IP Rating	IP54	IP54	IP54
IK Rating	IK10 (IK08 HMI)	IK10 (IK08 HMI)	IK10 (IK08 HMI)
Logistics & Delivery	Forklift / Trailer / Van Mounted	HIAB / Van Mounted	HIAB / 5t Platform (Gen 1) / 4,200kg Platform (Gen 2)‡
Charging Cable Length	7m / 15m*	7m / 15m*	7m / 15m*
Cable Type	Detachable & Stowable	Liquid Cooled, Fixed to Unit	Liquid Cooled, Fixed to Unit
ENVIRONMENTAL			
Operating Altitude	<2,000m Without De-Rating	<2,000m Without De-Rating	<2,000m Without De-Rating
Charging Temperature Range	-20°C to 45°C	-20°C to 45°C	-20°C to 45°C
Discharging Temperature Range	-20°C to 60°C Without De-Rating	-20°C to 60°C Without De-Rating	-20°C to 60°C Without De-Rating
Noise (Working)	<80dB @ 1m	<80dB @ 1m	<80dB @ 1m
Cooling (Power Electronics)	Forced Air	Forced Air	Forced Air
Cooling (Battery)	Forced Air	Forced Air	Forced Air
INTERFACE			
Connectivity	4G	4G	4G
Standard	OCPP 2.0.1 / 1.6J*	OCPP 2.0.1 / 1.6J*	OCPP 2.0.1 / 1.6J*
Screen Type	12" Touchscreen	12" Touchscreen	12" Touchscreen
Metering	DC Metering MID	DC Metering MID	DC Metering MID
CUSTOMISABLE			
Colours	On Request*	On Request*	On Request*
Branding	On Request*	On Request*	On Request*
Custom HMI	On Request (MOQ applies)	On Request (MOQ applies)	On Request (MOQ applies)

*Available options † Weights based on Toshiba SCiB cell specification ‡ Gen 1: 89Wh/kg cells, 5t platform required. Gen 2: 110Wh/kg cells available Q4 2026, compatible with 4,200kg platform.

FreeMe Containerised Infrastructure — Technical Specification

	FreeMe 10ft	FreeMe 20ft	FreeMe 40ft
ELECTRICAL			
Maximum Storage Capacity	350kWh	1MWh	3MWh
Battery Architecture	37% LTO / 63% LFP Hybrid	37% LTO / 63% LFP Hybrid	37% LTO / 63% LFP Hybrid
C Rate	Adaptive 0.5 / 4†	Adaptive 0.5 / 4†	Adaptive 0.5 / 4†
Cycle Life 80% EoL	10 year design life / 11.4 year LFP SoH at standard utilisation	10 year design life / 11.4 year LFP SoH at standard utilisation	10 year design life / 11.4 year LFP SoH at standard utilisation
AC Charging Connection	63A	125A	125A
Connection Voltage	260–485v	260–485v	260–485v
Frequency	45–65Hz	45–65Hz	45–65Hz
Power Factor (Full Load)	0.99	0.99	0.99
DC Input Charging Connection	On Request*	On Request*	On Request*
DC Output Power Total	175kW / 350kW*	500kW / 1MW*	1,500kW / 3MW*
DC Output Voltage	150–1,000v DC	150–1,000v DC	150–1,000v DC
Number of Outputs	1 / 2*	3 / 6*	6 / 12*
DC Charging Standard	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*	CCS2 / CCS1* / NACS*
Round Trip Efficiency	94%	94%	94%
MECHANICAL			
Dimensions H×W×D (mm)	2,438 × 2,438 × 2,991	2,896 × 2,438 × 6,058	2,896 × 2,438 × 12,192
Weight	8,000kg	18,000kg	34,000kg
IP Rating	IP56	IP56	IP56
IK Rating	IK10 (IK08 HMI)	IK10 (IK08 HMI)	IK10 (IK08 HMI)
Logistics & Delivery	HIAB / Skeleton Trailer	Crane / Skeleton Trailer	Crane / Skeleton Trailer
Charging Cable Length	2.6m / 3.9m*	2.6m / 3.9m*	2.6m / 3.9m*
Cable Type	Motorised Extension & Retraction	Motorised Extension & Retraction	Motorised Extension & Retraction
ENVIRONMENTAL			
Operating Altitude	<2,000m Without De-Rating	<2,000m Without De-Rating	<2,000m Without De-Rating
Temperature Range	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Noise (Working)	<70dB @ 1m	<70dB @ 1m	<70dB @ 1m
Cooling	HVAC/Water	HVAC/Water	HVAC/Water
INTERFACE			
Connectivity	4G / Starlink*	4G / Starlink*	4G / Starlink*
Standard	Ocpp 2.0.1 / 1.6J*	Ocpp 2.0.1 / 1.6J*	Ocpp 2.0.1 / 1.6J*
Screen Type	32" High Brightness Touchscreen	32" High Brightness Touchscreen	32" High Brightness Touchscreen
Metering	DC Metering MID	DC Metering MID	DC Metering MID
CUSTOMISABLE			
Colours	On Request*	On Request*	On Request*
Branding	On Request*	On Request*	On Request*
Custom HMI	On Request (MOQ applies)	On Request (MOQ applies)	On Request (MOQ applies)

*Available options † LFP/LTO Hybrid Architecture: BMS dynamically allocates charge rate between LTO (4C) and LFP (0.5C) based on incoming vehicle demand. System delivers up to maximum rated DC output simultaneously.