

MOBICOM^{PRO} 2 x 11kW Bollard AC EV charger

Suitable for private and public locations, such as:

- Car parks
- Retail and business parks
- Hotels and fleet depots

Technical specification

Specification	Items	SETAC-22
AC Input	Voltage	3 phase 380VAC
	Frequency	50Hz / 60Hz (±10%)
	Current	32A
AC Nominal Output	Voltage	3 phase 380VAC
	Current	2 x 16A
	Power	2 x 11 KW
Electrical Parameter	Power Factor	≥0.99
	Unequal Current Ratio	≤ 5%
	Stable Voltage Accuracy	≤±0.5%
	Stable Current Accuracy	≤±1%
	Efficiency	≥95% (50%-100% load)
	Soft Start Time	3-8s
	Auxiliary Power	12V
Structure Design	Installation Method	ground pole
	Charging Outlet	3 phase 380VAC 16A type 2
	Cable Length	5 m (standard)
	LED Indicator	light strip
	LCD Screen	10 inch Daylight readable touchscreen
	Emergency Stop Button	Yes
	Startup Mode	Plug-and-play
Communication	Protocol	Ethernet/WIFI
Environmental Index	Operation Temperature	-35°C~ 55°C
	Working Humidity	5%-95% without condensation
	Working Altitude	<2000m
	Protection Grade	IP65
	Material	Aluminium
	Application Site	Indoor/Outdoor
	Cooling Method	Fan cooling
Security Protection	Multiple Protection	Over/Under voltage protection, Overload protection, Short circuit protection, Over/under temperature protection, Surge protection, Communication failure
	MTBF	100,000 hours
Package Information	Product Dimension	49*33*18cm
	Package Dimension	65*49*39cm
	Delivery Weight	38kg
	External Packing	Wooden case and carton

Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	PML405AH5T	PML410AH5T	PML415AH5T	PML420AH5T
Max-Power(Pm)	W	405	410	415	420
Power Tolerance	W	0~+5			
Max-Power Voltage(Vm)	V	31.12	31.28	31.45	31.66
Max-Power Current(Im)	A	13.04	13.13	13.22	13.29
Open-Circuit Voltage(Voc)	V	37.00	37.20	37.40	37.60
Short-Circuit Current(Isc)	A	14.04	14.10	14.16	14.22
Effective Module Efficiency(ηm)	%	20.9	21.2	21.4	21.6
STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C Power Tolerance ±3%					

Electrical Characteristics at Nominal Module Operating Temperature(NMOT)

Spec/Model	Unit	PML405AH5T	PML410AH5T	PML415AH5T	PML420AH5T
Max-Power(Pm)	W	306	310	314	318
Max-Power Voltage(Vm)	V	28.9	29.1	29.3	29.5
Max-Power Current(Im)	A	10.61	10.67	10.73	10.79
Open-Circuit Voltage(Voc)	V	34.8	35.0	35.2	35.4
Short-Circuit Current(Isc)	A	11.22	11.28	11.32	11.36
NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s					

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of Pmax	-0.35%/°C
Temperature coefficient of Voc	-0.26%/°C
Temperature coefficient of Isc	0.048%/°C

Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	25A
Operating temperature range	-40°C~+85°C

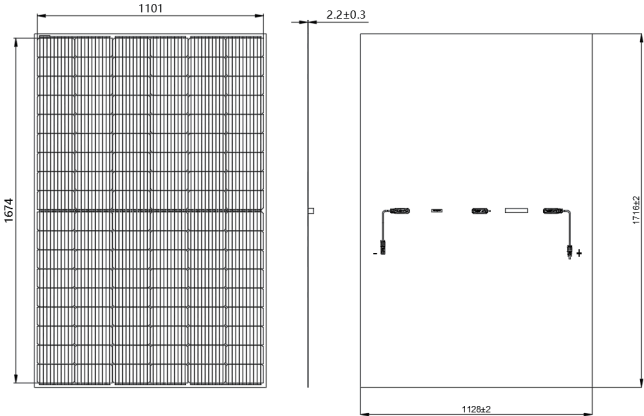
Mechanical Characteristics

Installation Module Dimension (L×W×H)	1716mm×1128mm×2.2mm
Weight	9.1 kg
Glass Type	High Transmittance Tempered Glass
Cell (quantity / material / type / dimensions)	108(6x18) / Mono / 182*91mm
Encapsulant	POE
Junction box(protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm²
Connector	MC4 Compatible

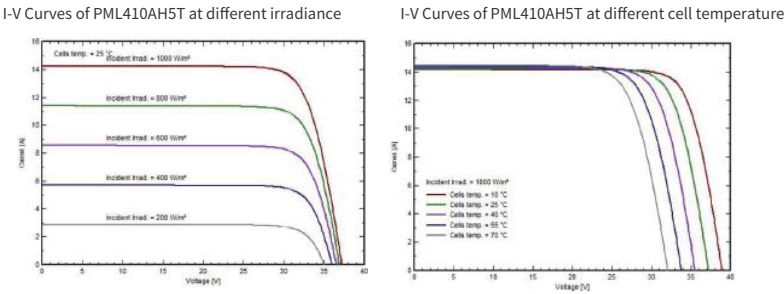
Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40'HQ	-	-
Platform Trailer	13m	1120	40
Platform Trailer	17.5m	1440	40

Module Size



I-V Curve



PUMITECH reserves the sole right of interpretation.

Version No. EN PML202306

