enteligent™ TLCEV

FIRST OF ITS KIND

TIME OF LIGHT CHARGING

Turn parking spots into charging lots!

Efficient & effective daytime charging directly from clean, overhead PV solar generation.

CHANGING THE CHARGING MENTALITY

DC-coupled 12.5kW DC EVSE solutions

TLCEV T1
Trusted Control Charging
- plug & charge

TLCEV A1
Access Control Charging
- key fob access

TLCEV P1
Pay-to-Charge Control
- payment authorized charging

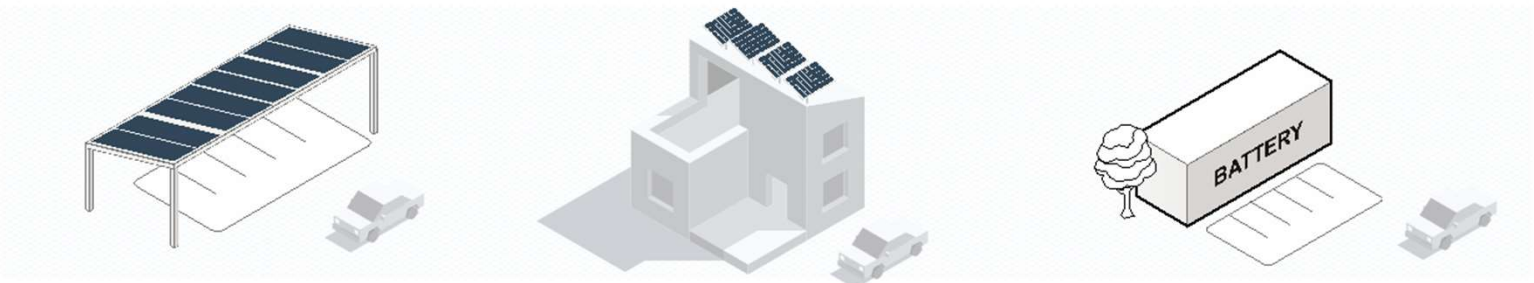
enteligent™ TLCEV

Specifications

EV CHARGING SPECIFICATIONS	DC-Coupled Bi-Directional DC Fast EVSE	Units
Maximum Rated DC Power Output to EV	12.5	kW
Output Voltage to EV	250 to 550 (max 25 amps)	V
Communication Interfaces	Wi-Fi, Ethernet, CAN-Bus, RFID	
EV Connector	CCS -1, CCS-2, NACS	
Cable Length	7.6 / 25	m / ft
DC POWER INPUT/OUTPUT		
DC input (from PV string(s), battery storage, hybrid inverter)		
Voltage Range	340 to 600	Vdc
Number of Inputs	Two (2)	
Maximum Current per Input	20	A
Bidirectional output (hybrid-inverter connected model only)		
Voltage	400	Vdc
Current	32	A
Maximum Power	12.5	kW
MISCELLANEOUS		
Safety	UL 2202, UL 2231, UL 1998, FCC Part 15, IEC 61851-23	
Certifications	ISO 15118-20, OCPP 2.0.1, DIN 70121	
Size (width x height x depth)	556 x 447 x 196 21.9 x 17.6 x 7.7	mm inches
Operating Altitude	0 to 2,000 0 to 6,562	meters feet
Cooling	Forced Air	
Ambient Operating Temperature	-25 to 55	°C
OVC Category	Input: OVC II Output: OVC II	
Appliance Class	Class I, grounding system	
Enclosure Rating	IP65 (weatherproof)	

Green energy efficient – no wasteful AC/DC conversion losses
Clean energy effective – maximize PV solar generation to the EV
Fast deployment – skip time-consuming utility permitting processes
Cost effective – no wire trenching, inverter purchase or utility upgrades required

DC-coupled DC EVSE applications



Solar Carport & Canopy Charger
- Direct connect to PV modules
- Charge while the sun shines
- Off-grid – located anywhere

Solar Hybrid Inverter Coupled
- Direct connect to hybrid PV inverter
- Bi-directional for V2H & V2G support
- Beneficiary of solar tax credits

DC Source–Coupled Direct
- Direct connect to DC batteries & microgrids
- Most cost effective & highest efficiency fleet solution
- Maximize draw from DC battery cache

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