



1	संपर्क   Contact : - जीएसटीआईएन   GSTIN : - पता   Address : GP PATHARI GP MSH-271, Bhandara Tumsar Road, Tumsar, Tumsar, Maharashtra 441912, BHANDARA, MAHARASHTRA-441912, India	Qlear 6 20 Watt White LED type	-	1	16-Mar-2024	31-Mar-2024
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### Product Specification for Qlear 6 20 Watt White LED type

विनिर्देश   Specification	उप-विनिर्देश   Sub-Spec	मूल्य   Value
GENERIC	Description of store	Solar Street Light (LED based) consist of white LED luminaire ( LED + Driver) rating as per configuration along with Solar PV modules and LiFePo4 battery of given capacity, necessary control electronics, interconnecting wires / cables, module mounting structures, etc. to operate from dusk to dawn
PV MODULE	Type of PV Module	Only indigenous modules of IEC Tested used. Crystalline high power/efficiency cells used in the solar photovoltaic module
	Power output of PV Module	$\geq 75$ Wp at 16.4 $\pm$ 0.2 Volt at STC
	PV Module Efficiency	$\geq 14\%$ .
	The open circuit voltage of the PV modules under STC (in volts)	21
	Certification / Report	Certified by MNRE/NABL authorized test center as per latest edition of IEC 61215 edition II / IS 14286.
	BIS CRS compliance for PV Module	as per IEC 61215 Edition II / BIS 14286 from NABL or IECQ accredited Laboratory
	Mnimum warranty period for PV Modules (in Years)	PV module warranted for output wattage $\geq 90\%$ at the end of 10 years and 80% at the end of 25 years
BATTERY	Type of Battery	Lithium Ferro Phosphate battery (LiFePo4). Operating from dusk to dawn first four hour full brightness, rest of the time at lower level, with motion sensor
	Battery capacity	$\geq 12.8$ V (nominal), 30 Ah at STC (1 day autonomy)
	Cycle/ Current	Battery cycle life 2000 cycle at 80 % discharge
LIGHT SOURCE	Type of LED (Light source)	20 Watt White LED type
	LED chip Efficacy (Lumen/watt)	$\geq 135$
	Luminaire System Efficacy - Lumen output - (Lumen/watt)	$\geq 120$
	The color temperature of white LEDs used in the system	5500 degree K – 6500 degree K.
	The temperature of heat sink	$\leq 20$ degree centigrade above ambient temperature during operation
	CRI	$> 70$ %
	Lighting quality	Free from glare, flickering and UV
	Wattage	Power consumption of the LED Luminaire / Lighting unit $\leq 30$ W (including LED and Driver power loss)
	Ingress protection	IP65 or better
	Certification/ Test report	Yes test certificate from MNRE/ NABL accredited labs
ELECTRONIC COMPONENTS	Provision of Fuses	Fuses provided to protect against short circuit conditions
	Protection	Full protection against open circuit, accidental short circuit and for reverse polarity provided.
	The self consumption of the charge controller	$\leq 20$ mA at rated voltage and rated current
	Indicators on the system	Provided with 2 LED indicators: a green light to indicate charging in progress and a red LED to indicate deep discharge condition of the battery. The green LED glow only when the battery is actually being charged.
	Total electronics efficiency	$\geq 90$ %
MECHANICAL	A corrosion resistant metallic frame structure to hold the SPV module	Yes. Provided
	Provision on frame structure	Frame structure have provision that the module can be oriented at the suitable tilt angle
	Conformity of the specification for Steel tube for street light pole	as per IS:1161:2014 latest
	Hot dip galvanized condition the zinc coating	as per IS:4736 latest

COMPONENTS	on the tubes	
	Nominal bore size of tube / Thickness of tube	40 mm / 4 mm
	Height of pole (in m)	6
	Battery box	Battery included in the luminaire enclosure, with water proof (IP65 or better) and corrosion resistant
	Certification/ Test report for mechanical components	Yes test certificate from MNRE/ NABL accredited labs

**टिप्पणी | Note::** Seller has given an undertaking that it has made arrangements for getting the stores from an authorized distributor / dealer / channel partner of the OEM of the offered product. At the time of delivery of goods, Seller will provide necessary chain documents (in the form of GST Invoice) to prove that the supplied goods are genuine and are being sourced from an authorized distributor / dealer / channel partner of the OEM. In case of any complaint about genuineness of the supplied products, Seller shall be responsible for providing genuine replacement supplies.

#### ईपीबीजी विवरण | ePBG Detail

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#### नियम और शर्तें | Terms and Conditions

##### 1. General Terms and Conditions-

- 1.1 This contract is governed by the [General Terms and Conditions](#), conditions stipulated to this Product/Service as provided in the Marketplace.
- 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

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