



# TerraSerde Off-grid solar street light Product specifications

Model		TFL-3001S	TFL-2001S	TFL-1001S
<b>Solar unit</b>	Power generation element type	CG0901		
	Power generation capacity *1	250W	125W	80W
	Waterproof property	IP65		
<b>Battery unit</b>	Cell type	IP1001		
	Battery capacity	1024Wh (512Wh x 2)	512Wh	256Wh
	System voltage	24V		12V
	Dimensions	L445 x H106 x D106 mm x 2	L445 x H106 x D106 mm	
	Weight	approx. 6.5kg x 2	approx. 6.5kg	approx. 4.5kg
	Waterproof property	IP65		
<b>Control unit</b>	Charging method	PWM		
	Maximum charge current	20A	10A	
	Dimensions	L463 x H106 x D106 mm		
	Weight	approx. 4kg	approx. 3kg	
	Waterproof property	IP65		
<b>LED lighting unit</b>	Power consumption	20W	10W	4W
	Total luminous flux	1456lm	752lm	274lm
	Non-sunshine lighting capacity	max. 40 hours (8 hours x 5 days)		
	Waterproof property	IP65		
<b>Main body</b>	Material (Surface treatment)	Iron (Hot-dip galvanized)		
	Operating temperature	-10°C~+45°C		
	Wind speed resistance (Design wind speed)	60m/s		
	Dimensions *2	φ 280 (max.) x L4756 mm	φ 190 (max.) x L4756 mm	φ 190 (max.) x L3483 mm
	Weight	approx. 150kg	approx. 120kg	approx. 75kg
<b>Standard accessories</b>	M16 Anchor bolt x 4, Anchor frame x 2, M16 Nut x 16, Nominal diameter 16 Plain washer x 12 (Hot-dip galvanized), L-type wrench for tamper proof screws x 1			

\*1 Since the power generation efficiency changes depending on the sunshine conditions, the above figures are not guaranteed.

\*2 Since the installation will bury a part of the main body in the ground, the ground clearance will be about 200 mm lower.