TECHNICAL SPECIFICATIONS OF AVI SOLAR STREET LIGHTS

	Model	SSL CFL 850 E	SSL CFL 850 S	SSL CFL 850 D	SSL LED 700 E	SSL LED 700 S	SSL LED 1000 E	SSL LED 1000 S
1	**Lamp Type**	CFL Lamp	CFL Lamp	CFL Lamp	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White
	Rated Lamp Wattage	11w	11w	11w	7w	7w	10 w	10 w
	Led Lumens	850 Lumens	850 Lumens	850 Lumens	700 Lumens	700 Lumens	1000 Lumens	1000 Lumens
	Duty cycle	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC
	Luminary Degree of Protection	IP65	IP65	IP65	IP65	IP65	IP65	IP65
	Cooling	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled
	Ambient Temp	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	Number of Day of Autonomy	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days
	System voltage	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC
	Efficiency	Above 85%	above 85%	Above 85%	Above 85%	Above 85%	Above 85%	Above 85%
2	**Solar PV Module**							
	Module Type	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon
	Module Power	74w	74w	74w	25w	30w	40w	45w
3	**Battery**							
	Company	EXIDE/ QUANTA/ HBL or Equivalent	EXIDE/QUANTA /HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent
	Type	TUBULAR Battery	SMF Battery	SMF Battery	SMF Battery	SMF Battery	SMF Battery	SMF Battery
	Battery Capacity	75Ah	65Ah	75Ah	26Ah	26Ah	42Ah	42Ah
	Battey Back up	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days
4	**Solar Charge Controller**							
	Charge Controller Type	PWM	PWM	PWM	PWM	PWM	PWM	PWM
5	**Display Indications**							
	Charge Indicator	Green	Green	Green	Green	Green	Green	Green
	Low Battery Indicator	Red	Red	Red	Red	Red	Red	Red
6	**Battery Enclosure**							
	Fixing	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
7	**Module Mounting Structure**							
	Mounting Type	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
8	**Pole**							
	Length (m)	5 Mtrs	5 Mtrs	5 Mtrs	5 Mtrs	5 Mtrs	5 Mtrs	5 Mtrs
	Material	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel

TECHNICAL SPECIFICATIONS OF AVI SOLAR STREET LIGHTS

	Model	**SSL LED 1000 D**	**SSL LED 1500 E**	**SSL LED 1500 S**	**SSL LED 2000 E**	**SSL LED 2000 S**	**SSL LED 2500 S**
1	**Lamp Type**	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White
	Rated Lamp Wattage	10 w	15w	15w	20w	20w	25w
	Led Lumens	1000 Lumens	1500 Lumens	1500 Lumens	2000 Lumens	2000 Lumens	2500 Lumens
	Duty cycle	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC	12hrs DTDC
	Luminary Degree of Protection	IP65	IP65	IP65	IP65	IP65	IP65
	Cooling	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled
	Ambient Temp	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	Number of Day of Autonomy	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days
	System voltage	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC
	Efficiency	Above 85%	Above 85%	Above 85%	Above 85%	Above 85%	Above 85%
2	**Solar PV Module**						
	Module Type	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon
	Module Power	50w	50w	60w	80w	90w	120w
3	**Battery**						
	Company	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent
	Type	SMF Battery	SMF Battery	SMF Battery	SMF Battery	SMF Battery	SMF Battery
	Battery Capacity	42Ah	65Ah	65Ah	84Ah	84Ah	100Ah
	Battey Back up	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days	2/3 Days
4	**Solar Charge Controller**						
	Charge Controller Type	PWM	PWM	PWM	PWM	PWM	PWM
5	**Display Indications**						
	Charge Indicator	Green	Green	Green	Green	Green	Green
	Low Battery Indicator	Red	Red	Red	Red	Red	Red
6	**Battery Enclosure**						
	Fixing	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
7	**Module Mounting Structure**						
	Mounting Type	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
8	**Pole**						
	Length (m)	5 Mtrs	6 Mtrs	6 Mtrs	6 Mtrs	6 Mtrs	6 Mtrs
	Material	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel

TECHNICAL SPECIFICATIONS OF AVI SOLAR STREET LIGHTS

	Model	**SSL LED 3000 S**	**SSL LED 3500 S**	**SSL LED 4500 S**
1	**Lamp Type**	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white LED's, Pure White	High Efficiency and Long life white Leds, Pure White
	Rated Lamp Wattage	30w	35w	45W
	Led Lumens	3000 Lumens	3500 Lumens	4500 Lumens
	Duty cycle	12hrs DTDC	12hrs DTDC	12hrs DTDC
	Luminary Degree of Protection	IP65	IP65	IP65
	Cooling	Natural Air Cooled	Natural Air Cooled	Natural Air Cooled
	Ambient Temp	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	Number of Day of Autonomy	2/3 Days	2/3 Days	2/3 DAYS
	System voltage	12V DC	12V DC	12V DC
	Efficiency	Above 85%	Above 85%	Above 85%
2	**Solar PV Module**			
	Module Type	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon	Mono/Poly crystalline Silicon
	Module Power	148w	160w	200w
3	**Battery**			
	Company	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent	EXIDE/QUANTA/ HBL or Equivalent
	Type	SMF Battery	SMF Battery	SMF Battery
	Battery Capacity	130Ah	130Ah	200Ah
	Battey Back up	2/3 Days	2/3 Days	2/3 Days
4	**Solar Charge Controller**			
	Charge Controller Type	PWM	PWM	PWM
5	**Display Indications**			
	Charge Indicator	Green	Green	Green
	Low Battery Indicator	Red	Red	Red
6	**Battery Enclosure**			
	Fixing	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
7	**Module Mounting Structure**			
	Mounting Type	Pole Mounting	Pole Mounting	Pole Mounting
	Material	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet	M.S. Cold Rolled Sheet
8	**Pole**			
	Length (m)	6 Mtrs	6 Mtrs	6 Mtrs
	Material	Mild Steel	Mild Steel	Mild Steel