

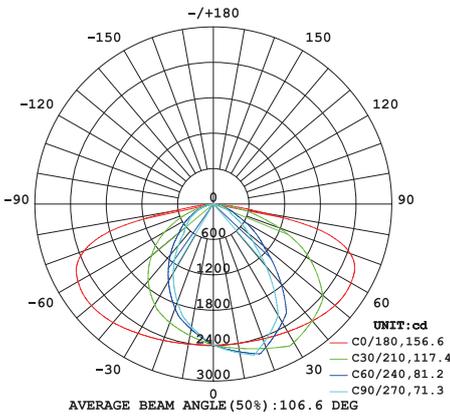
Technical parameters

# NFP-01A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-01A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	40W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	115.2WH / DC12.8V, 9AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	2000lm
	Luminous Efficacy	190-200/w
	Beam Angle	140 x 70 for road lighting ( default ) , 150 x 80 for area lighting ( optional )
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70%-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	4-6m
	Installation Distance Range	10-13m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	405*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	490*730*90mm (2pcs/cnt)
Net weight	light body + solar panel	7.5Kg + 4.5Kg = 12Kg
Gross weight	light body + solar panel	8.5Kg + 5Kg = 13.5Kg



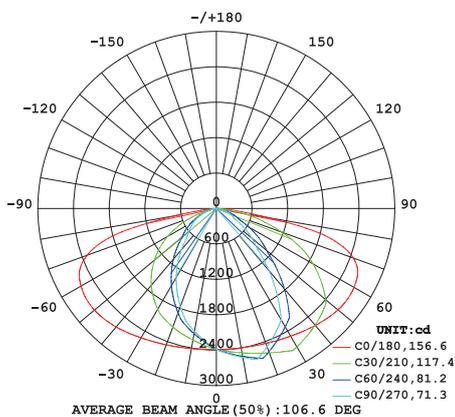
Technical parameters

# NFP-02A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-02A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	50W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	153.6WH / DC12.8V, 12AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	3000lm
	Luminous Efficacy	190-200lm/w
	Beam Angle	140 x 70 for road lighting ( default) , 150 x 80 for area lighting ( optional)
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

## NFP Series Innovative Solar Street Light

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70%-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	5-7m
	Installation Distance Range	16-19m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	515*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	590*730*90mm (2pcs/cnt)
Net weight	light body + solar panel	8.5Kg + 5.7Kg = 13.2Kg
Gross weight	light body + solar panel	9.5Kg + 6.25Kg = 15.75Kg



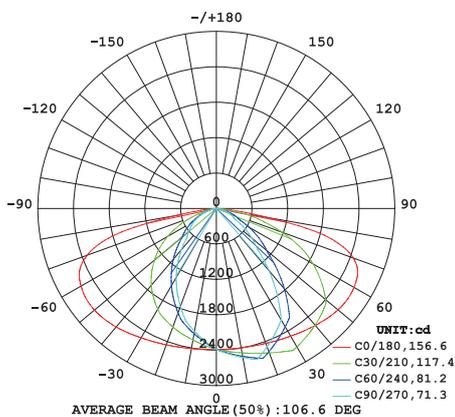
Technical parameters

# NFP-03A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-03A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	60W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	187.5WH / DC12.8V, 15AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	4000lm
	Luminous Efficacy	190-200lm/w
	Beam Angle	140 x 70 for road lighting ( default) , 150 x 80 for area lighting ( optional)
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

## NFP Series Innovative Solar Street Light

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	6-8m
	Installation Distance Range	19-23m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	615*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	740*680*90mm (2pcs/cnt)
Net weight	light body + solar panel	9Kg + 6.4Kg = 15.4Kg
Gross weight	light body + solar panel	10Kg + 6.9Kg = 16.9Kg



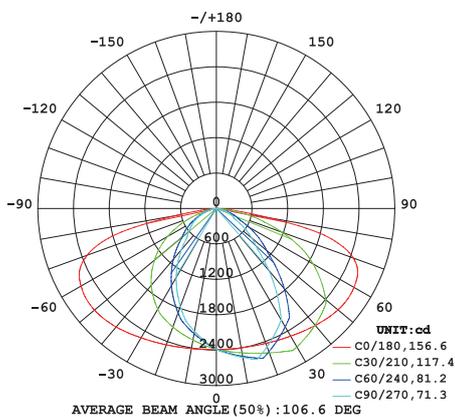
Technical parameters

# NFP-04A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-04A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	60W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	230.4WH / DC12.8V, 18AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	5000lm
	Luminous Efficacy	190-200lm/w
	Beam Angle	140 x 70 for road lighting ( default) , 150 x 80 for area lighting ( optional)
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

## NFP Series Innovative Solar Street Light

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70%-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	6-9m
	Installation Distance Range	23-27m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	615*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	740*680*90mm (2pcs/cnt)
Net weight	light body + solar panel	9.5Kg + 6.4Kg = 15.9Kg
Gross weight	light body + solar panel	10.5Kg + 6.9Kg = 17.4Kg



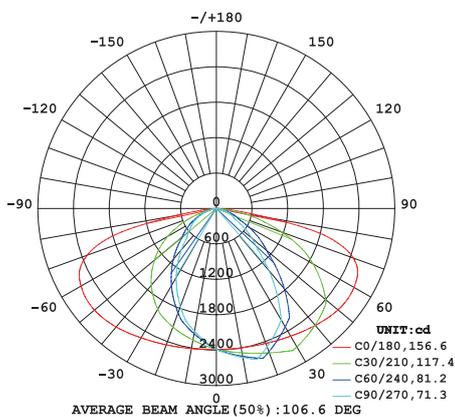
Technical parameters

# NFP-05A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-05A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	80W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	268.8WH / DC12.8V, 21AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	6000lm
	Luminous Efficacy	190-200lm/w
	Beam Angle	140 x 70 for road lighting ( default) , 150 x 80 for area lighting ( optional)
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

## NFP Series Innovative Solar Street Light

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70%-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	6-9m
	Installation Distance Range	27-31m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	765*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	780*750*100mm (2pcs/cnt)
Net weight	light body + solar panel	10.5Kg + 6.7Kg = 17.2Kg
Gross weight	light body + solar panel	11.5Kg + 7.2Kg = 18.7Kg



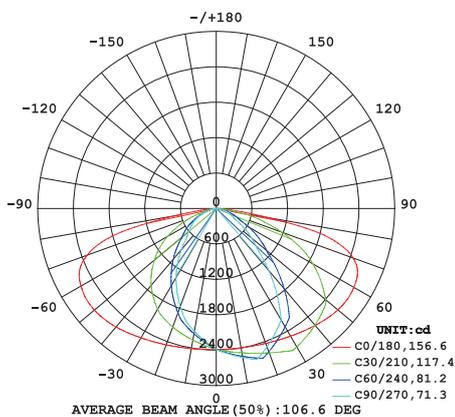
Technical parameters

# NFP-06A



IAF CE FC RoHS IP65

## Spectrum Chart



Model	NFP-06A	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	80W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360° on the horizontal direction; 180° on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	307.2WH / DC12.8V, 24AH
	Lifespan	8 years
LED Light	LED Light	Bridge lux 5050 Led chip or Cree 3030 Led chip
	Lamp Rated Total Luminous Flux	8000lm
	Luminous Efficacy	190-200lm/w
	Beam Angle	140 x 70 for road lighting ( default ) , 150 x 80 for area lighting ( optional)
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Lifetime	≥50,000 hours
Light Distribution	Bat wing	

## NFP Series Innovative Solar Street Light

Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	10-15m
	Delay Time	10 seconds (optional)
Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	100%-1hr, 70%-3hrs, 20% till dawn
	Timing control	100%-2hrs, 70-2hrs, 50%-2hrs
	Microwave control	100% if people come close, 30% far away (Default)
	Timing + Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away
Work Temperature	Charge Temperature	-25°C ~ +65°C
	Discharge Temperature Range	-20°C-75°C
	Storage Temperature	-20°C-45°C
Installation suggestion	Mounting Height Range	7-10m
	Installation Distance Range	31-35m
	Upper diameter	60mm
Lamp body Materials	High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system ( Remote control and monitoring)	
Product size	light body	550*220*200mm
	solar panel	765*665*30mm
Carton size	light body	600*270*250mm (1pcs/cnt)
	solar panel	780*750*100mm (2pcs/cnt)
Net weight	light body + solar panel	10.5Kg + 6.7Kg = 17.2Kg
Gross weight	light body + solar panel	11.5Kg + 7.2Kg = 18.7Kg

