

COTEK

Professional Power Solutions Design and Manufacturing

COTEK

SR - Series

Rack Mount Inverter

Highly reliable, modular design DC-AC inverter system, designed with advanced power electronics and microprocessor technology



Telecom / Datacom



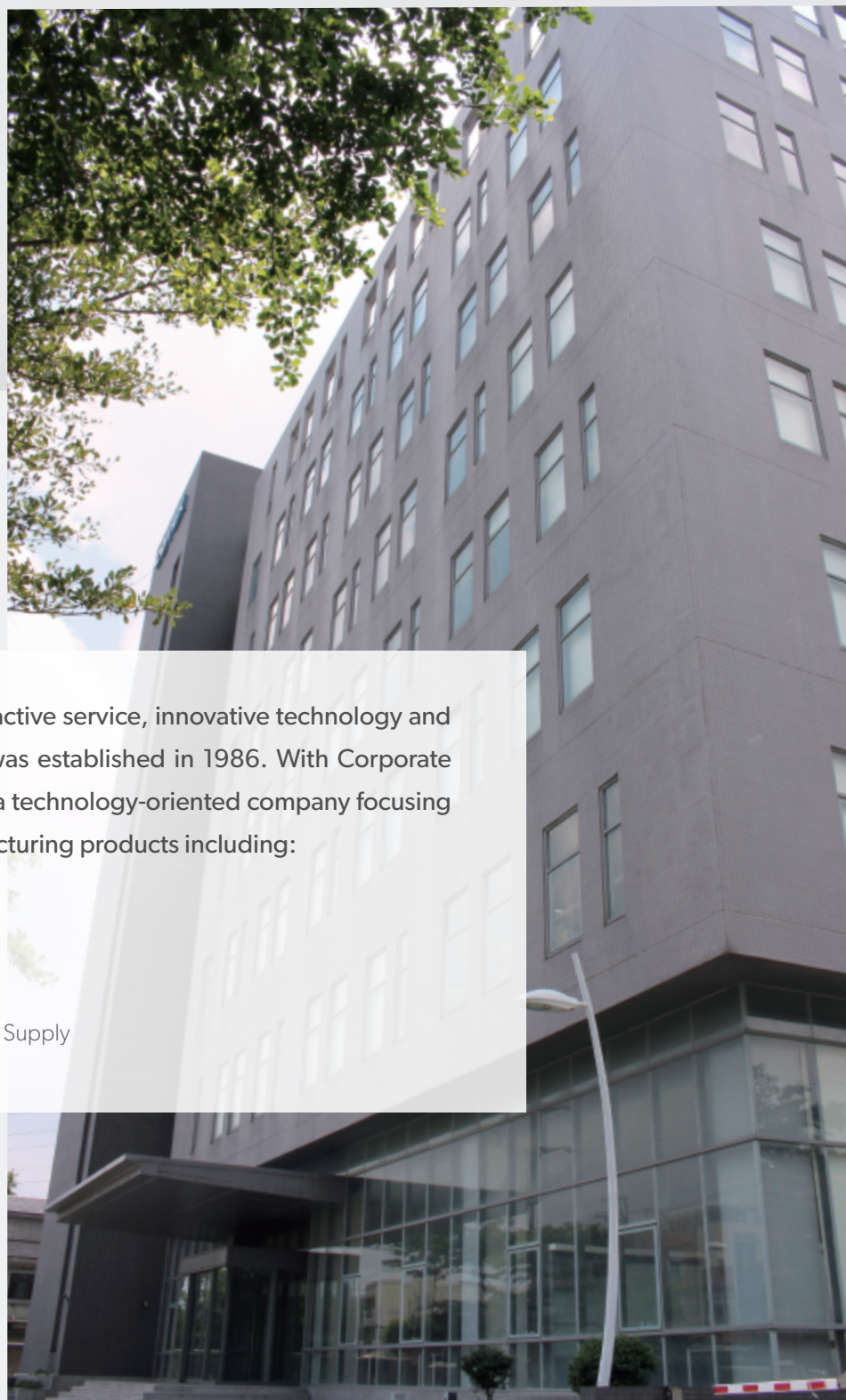
COTEK ELECTRONIC IND. CO., LTD

+886 3-389-1999 +886 3-380-2333

No.33, Sec. 2, Renhe Rd., Daxi Dist., Taoyuan City 33548, Taiwan

www.cotek.com.tw

2021 / 2022 Product Catalog



COTEK is committed to providing proactive service, innovative technology and total quality assurance since COTEK was established in 1986. With Corporate Offices in Tao-yuan, Taiwan, COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

- 1 DC / AC Pure Sine Wave Inverter
- 2 Inverter / Charger
- 3 Battery Charger
- 4 AC / DC Switching Mode Power Supply



Why COTEK

One-stop shopping

Diverse power product lines that fulfill our business partner's power requirement across multiple sectors (AC/DC, DC/AC, Chargers and Inverter Chargers)

World-Class R&D Team

30 years' software & hardware development capability

Product Safety Approvals

Meet the global latest safety standards

Flexibility

To provide off-the-shelf and customized design service

Prompt Service

Authorized distributor partners in over 38 countries to ensure local services in the same time zone

Production Experience

Sold more than 20 million pcs to the worldwide market



D&B Top 1000 Elite SME Award
D-U-N-S Number : 65-728-6662

COTEK Headquarters, Taiwan

No. 33, Sec. 2, Renhe Rd., Daxi Dist., Taoyuan City 33548, Taiwan

+886 3-389-1999 +886 3-380-2333

<http://www.cotek.com.tw/>

COTEK Factory, Dongguan China

Building No.121, No.13, Xinan Rd., Xintaiyang Industrial Park, Lincun Village, Tangxia Township, Dongguan City, Guangdong Province, China

+86 769-81282695 +86 769-81282615



- 1 Telecom, Data Center
- 2 Uninterruptable Power System (UPS)
- 3 Rack mount Power Backup System



Energy Station System (ESS)

Satellite / Power Station



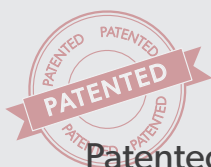
Railway



Broadcasting Radio Station

Modular Inverters

SR-1600 PLUS



Patented technology

US Patent no.: US10-530-267

The SR-1600 PLUS is a highly reliable, modular design DC-AC inverter system, designed with advanced power electronic and microprocessor technology

1 Seamless switch between AC and DC

0 Second transfer-switch between AC and DC, avoid damage to the instrument caused by transient voltage



2 Output Efficiency Up to 95%

Reduce energy loss and heat dissipation



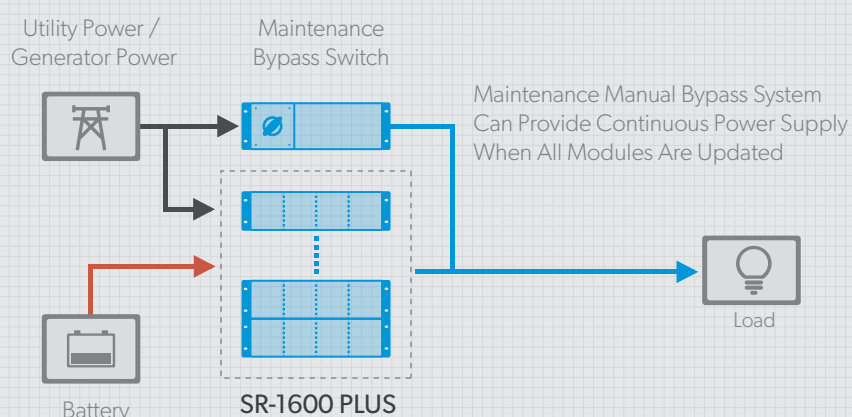
3 Built-in Static Transfer Switch

Support output parallel connection and redundancy (N+1)

4 modules in one 2U shelf :
6.4KW

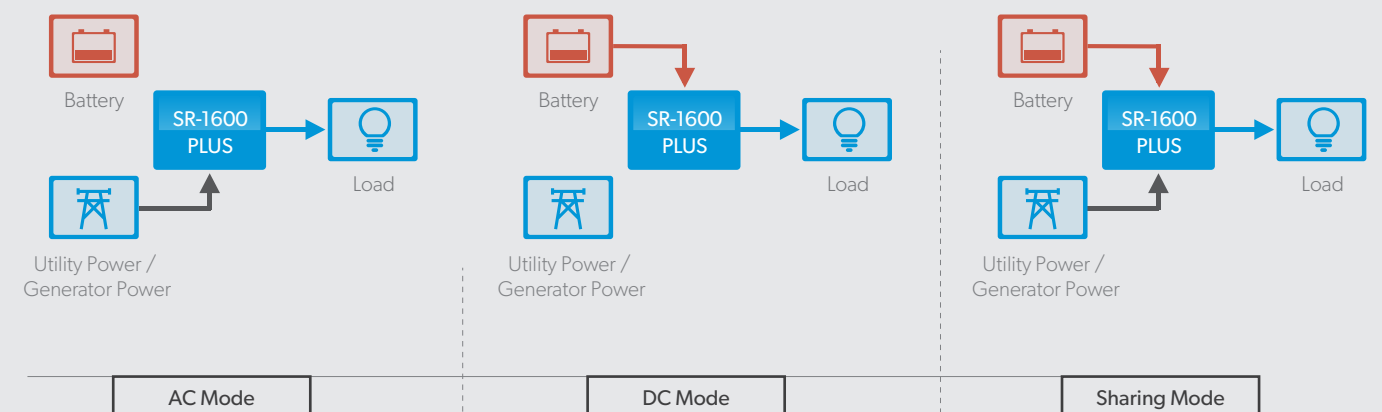
Support up to 8 shelves :
51.2KW

Easy Maintenance by Hot Plug and Swappable Module



Block diagram

3-in-1 Operating Modes



Scan QR Code to view the User's Manual

SR-1600 PLUS System Packs



1 2U 1 rack + 4 module



2 2U + CR-21 PLUS
1 rack + 3 module + CR-21 PLUS + SN-1 PLUS



3 4U + CR-21 PLUS
2 rack + 7 module + CR-21 PLUS + SN-1 PLUS

Cabinet with Power Distribution
(Built at the request)

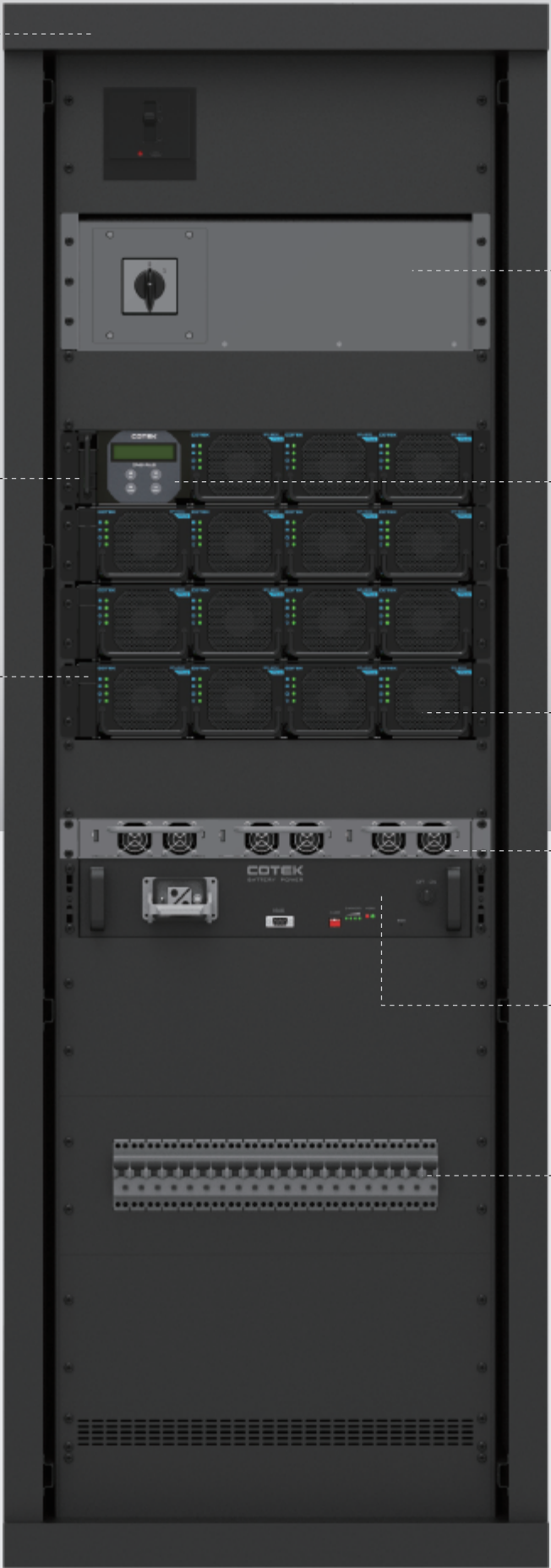


SNMP Ethernet
SN-1 Plus - SNMP Ethernet Interface Card



SR-1600 Plus Rack
SR-2U1 Plus - Compatible with SR-1600-124, -148 Plus
SR-2U2 Plus - Compatible with SR-1600-224, -248 Plus

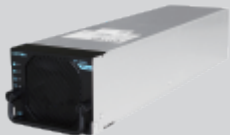
SR-1600 PLUS System



Maintenance Manual Bypass Switch
SR-3U MBS (65A, 100~240VAC)



LCM Controller
CR-21 Plus - Remote Controller (Read/Write)



SR-1600 Plus Module
SR-1600-124 Plus - 100 ~ 120Vac / 24Vdc
SR-1600-148 Plus - 100 ~ 120Vac / 48Vdc
SR-1600-224 Plus - 200 ~ 240Vac / 24Vdc
SR-1600-248 Plus - 200 ~ 240Vac / 48Vdc

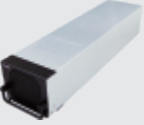
Rectifier (Built at the request)

Modular Battery (Built at the request)

19" Power Distribution Cabinet



Fan
SR-FAN - Replaceable Fan



Empty Module
SR-Empty Module - For the fulfillment of empty module space

Rack height	Present		Future (Expandability)		Maximum	
	No. Module	VA	No. Module	VA	No. Module	VA
1 2U	1	1600	3	4800	4	6400
	2	3200	2	3200		
	3	4800	1	1600		
	4	6400	0	0		
2 2U + CR-21 PLUS	1	1600	2	3200	3	4800
	2	3200	1	1600		
	3	4800	0	0		
3 4U+ CR-21 PLUS	1	1600	6	9600	7	11200
	2	3200	5	8000		
	3	4800	4	6400		
	4	6400	3	4800		
	5	8000	2	3200		
	6	9600	1	1600		
	7	11200	0	0		

*Blue Highlights are model names for each product type

