

PRODUCT OVERVIEW

The APView series Power Quality Analyzer utilizes a high-performance multi-core platform and an embedded operating system. It includes many functions such as harmonic analysis, waveform sampling, voltage sag/swell/interruption detection, flicker monitoring, voltage unbalance monitoring, event recording, and measurement control. The analyzer complies with such standards as IEC 62053-22 Class 0.2S, IEC61000-4-30 Ed3 Class A and IEC61850 for Substation Automation System. It is suitable for power quality monitoring in 110kV and below power supply systems and is widely used in industries such as semiconductor, petrochemical, steel, hospitals, data centers, and transportation buildings, as well as in renewable energy system like photovoltaic, energy storage, and wind power.

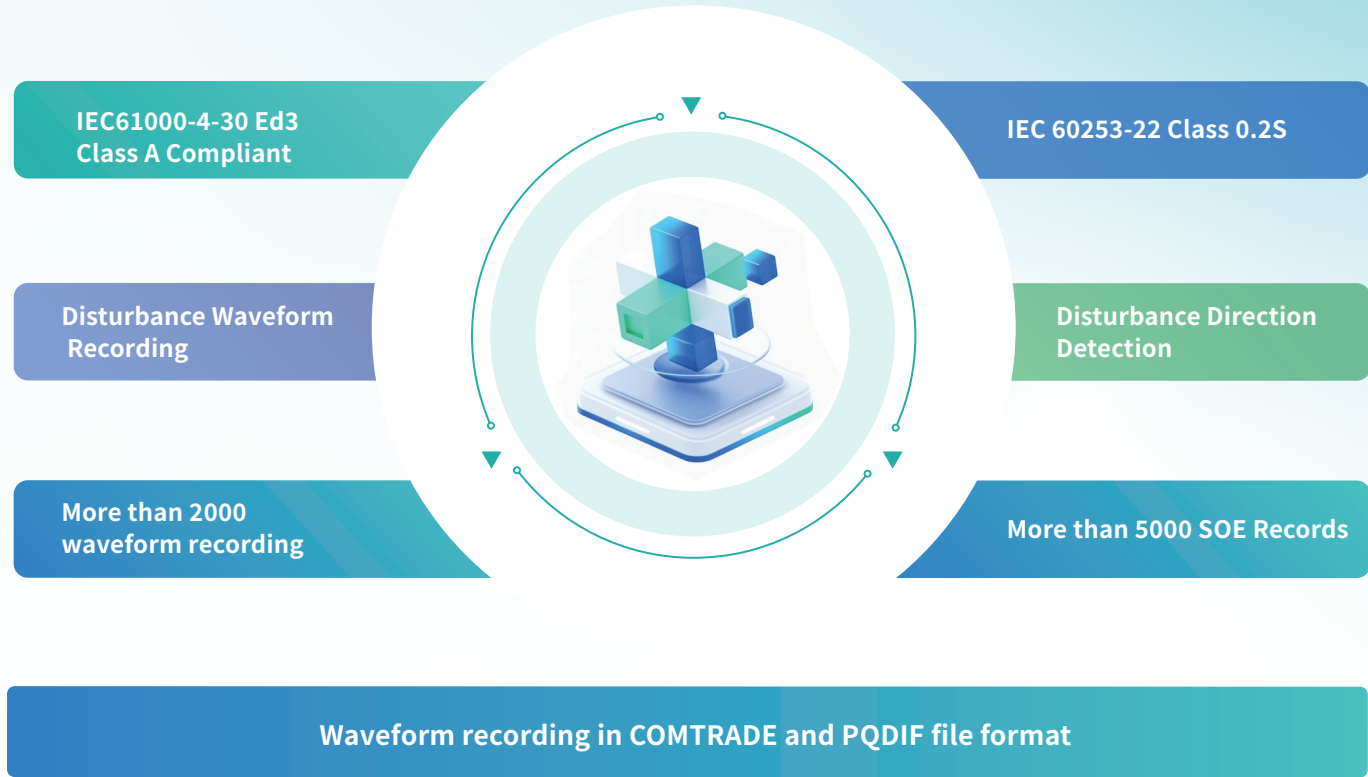
01 Technical parameter

				Coming soon!!!
Type		APView500	APView400	APView350
LCD		5 inches, color	5 inches, color	4.3 inches, color
Power supply		AC/DC88V~264V, DC48V	AC/DC88V~264V, DC24/48V	AC/DC88V~264V, DC24/48V
Sampling frequency 50/60 Hz		51.2kHz	51.2kHz	51.2kHz
AC input		8*U+8*I	4*U+4*I	3*U+3*I
Voltage input		0~456V AC	0~600V AC	0~600V AC
Current input		0~6A AC	0~6A AC	0~6A AC
Digital inputs/outputs		22DI+16DO	5DI+5DO	3DI+3DO
Memory size		32GB	32GB	8GB
IEC 61000-4-30		Class A	Class A	Class A
Accuracy	Voltage	±0.1%	±0.1%	±0.1%
	Current	±0.1%	±0.1%	±0.1%
	Frequency	±0.001Hz	±0.001Hz	±0.001Hz
	Power	±0.2%	±0.2%	±0.2%
	Electricity	0.5S	0.5S	0.5S
Steady	Voltage deviation	■	■	■
	Frequency deviation	■	■	■

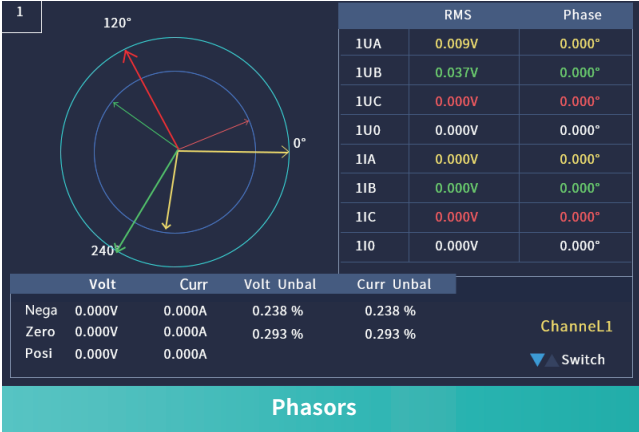
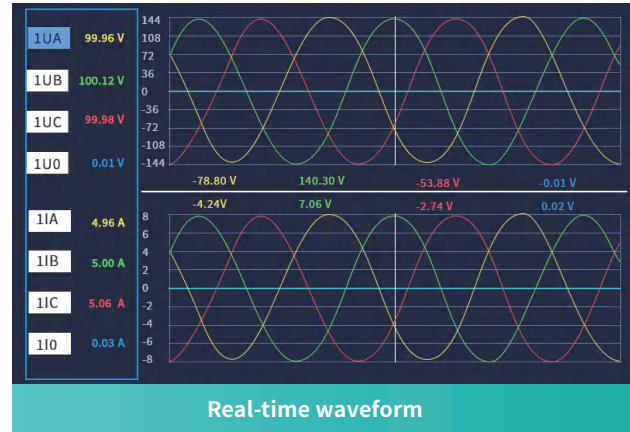
Type		APView500	APView400	APView350
Steady	Current Unbalance	■	■	■
	Voltage Unbalance	■	■	■
	Voltage fluctuation	■	■	■
	Flicker	■	■	■
	Harmonic	2~63 rd (THD,TDD,Crest-factor, K-factor)	2~63 rd (THD,TDD,Crest-factor, K-factor)	2~63 rd (THD,TDD,Crest-factor, K-factor)
	Interharmonic	0.5 th ~62.5 th	0.5 th ~62.5 th	0.5 th ~62.5 th
	High-frequency harmonic	2.5k~8.9kHz	2.5k~8.9kHz	2.5k~8.9kHz
	DC offset	—	■	■
	Rapid voltage change	■	■	■
Temporary	Inrush current	■	■	■
	Voltage dip	■	■	■
	Voltage interruption	■	■	■
Transient	Voltage swell	■	■	■
	Transient Voltage	20μs	20μs	20μs
	Transient Current	20μs	20μs	20μs
Power quality assessment		■	■	■
ITIC		■	■	■
SEMI F47		■	■	■
Disturbance Direction Detection		■	■	■
Real-time waveform		■	■	■
Web server		■	■	■
FTP Server		■	■	■
Data and Event Recorders	Fault recording	■	■	■
	Timed recording	■	■	■
	Manual recording	■	■	■
	COMTRADE	■	■	■
	PQDIF	■	■	■
	SOE	5000	5000	5000
Rear Ports	RS-485 ports	3	2	2
	Ethernet ports	4	2	2
	USB	■	■	■
Timing	IRIG-B	■	■	■
	SNTP	■	■	■
Protocol	Modbus RTU	■	■	■
	Modbus TCP	■	■	■
	IEC 61850	■	■	■

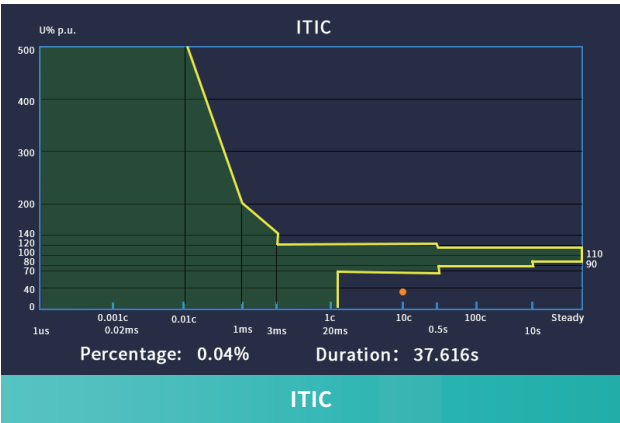
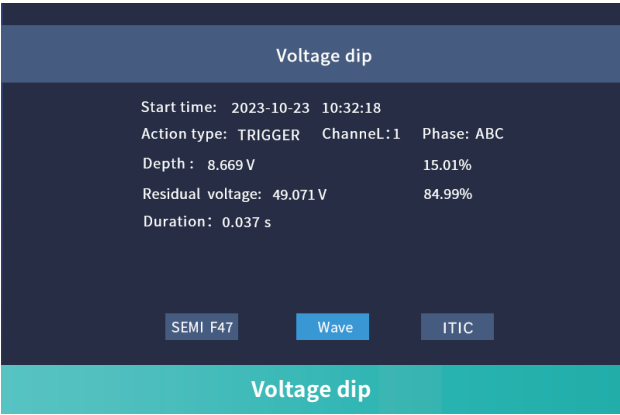
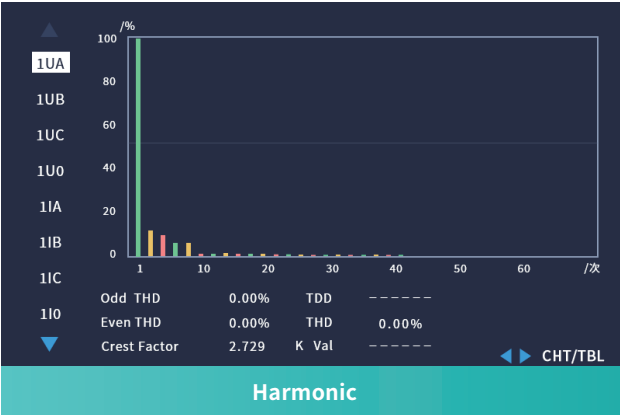
Note: ■ means with this function, —means without this function.

02 Power Quality Features

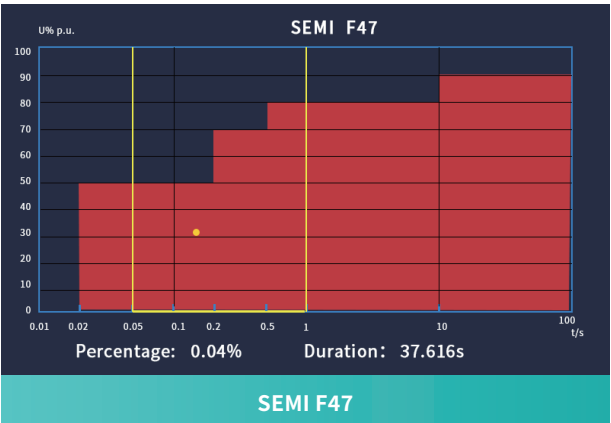
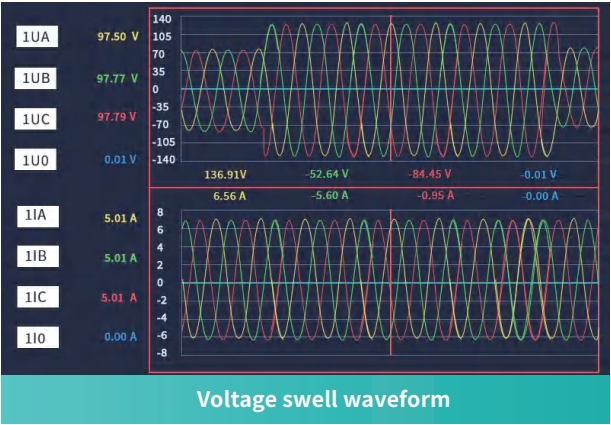
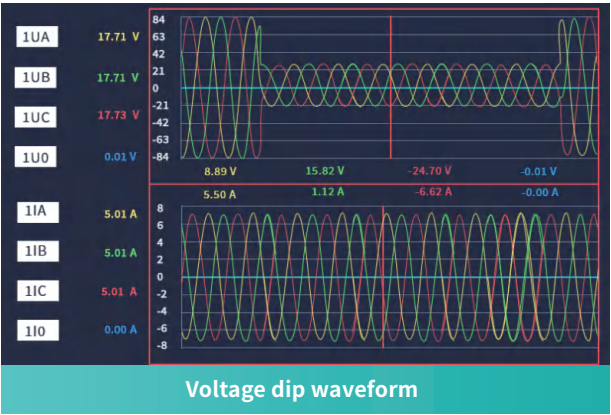


03 Data and Event Recorders





Fluctuation			Flicker	
	Rate(cnt/min)	Value(%)	Pst(10m)	Plt(2h)
1UA	0.000	0.000	0.000	0.000
1UB	0.000	0.000	0.000	0.000
1UC	0.000	0.000	0.000	0.000
1U0	---	---	---	---
2UA	0.000	0.000	0.000	0.000
2UB	0.000	0.000	0.000	0.000
2UC	0.000	0.000	0.000	0.000
2U0	---	---	---	---



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[Stock Code: 300286.SZ]



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Acrel Electric Co., Ltd.

Innovation Efficiency Unity Integrity